

U.S. Department of Transportation

National Highway Traffic Safety Administration

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.





U.S. Department of Transportation

National Highway Traffic Safety
Administration

CASE SUMMARY

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

PSU 06 (

CASE NO. 058A

TYPE OF ACCIDENT CAR VS. CAR DBTUSE ANCHE

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. Do not include any personal identifiers.)

Identifiers.) Vehicle 1 Northbourd Thrown Right Homo Curve in Road
Crosses Over INTO Southbourd Lanes. The Left Side of Vehicle 1
Negro The Gas Trank Contracts The Front Left Corner of Vehicle 2) That is Southbourd
Fluer Neck of The Gas Trank of Vehicle 1 Pulls out of The Dank
And Vehicle 1 And Vehicle 2 Catch Fire. The Print Side Front of
Vehicle 2 Is also Pudned into A W-Berm Glaroproil. The Driver
Of Vehicle 1 15 Frontally Instreed.

	B. VEHICLE PROFILE(S)								
	Class		Most Seve Based on Vehi						
Vehicle No.	of Vehicle	Year/Make/Model	Damage Plane	Severity Description	Component Failure				
1	SUBCOMPRET	1992/15020/ IMPULSE	LEFT	Severe	Fiver Neck OF Gros Track				
۵)	SUB COMPRET	1984/chruy/ Chevate	Front	HODERNIR	NIA				

DO NOT SANITIZE THIS FORM

Vehicle Person Role No. Role Seat Position Restraint Use Body Region Injury Type AIS Injury Source I Oraven Left Front Nonze Face lacenation Windshield Derven Left Root Nonze Face lacenation Windshield		C. PERSON PROFILE(S)									
Body Region Injury Type AIS Injury Source 1 Drever LEFT PRINT UNKNOWN MULTIPLE BURN 1 FINE Non Contact	Vehicle	Person	Seat	Restraint	Most Severe Injury (TO BE COMPLETED BY ZONE CENTER)						
1 Dreiver LEFT UNKNOWN Multiple burn 1 fine-noncontact	No.			Use	Body Region	Injury Type	AIS	Injury Source			
2 Davier Left Front None Face lacenation 1 windshield	1	Davin	LEFT FRONT	UNINUUN	multiple	burn	1	fine - non Contact			
	ಇ	Driver	LEFT Pront	None	Face	laceration	1	Windshield			

Body Region

Abdomen
Ankle – foot
Arm (upper)

Back-thoracolumbar spine Chest

Elbow Face Forearm Head — skull Knee Leg (lower)

Lower limbs(s) (whole or unknown

part)

Neck — cervical spine Pelvic — hip Shoulder Thigh

Upper limb(s) (whole or unknown

part) Whole body Wrist—hand Brain
Ears
Eye
Heart
Kidneys
Liver
Mouth
Noise

Pulmonary-lungs

Spleen

Thyroid, other endocrine gland

Vertebrae

Injury Type

Abrasion Amputation Avulsion Burn Concussion Contusion Crush

Detachment, separation

Dislocation Fracture

Fracture and dislocation

Laceration Other

Perforation, puncture

Rupture Sprain Strain

Total severance, transection

Unknown

Abbreviated Injury Scale

(1) Minor injury

(2) Moderate injury

(3) Serious injury

(4) Severe injury

(5) Critical injury

(6) Maximum (untreatable)

(7) Injured, unknown severity

DO NOT SANITIZE THIS FORM



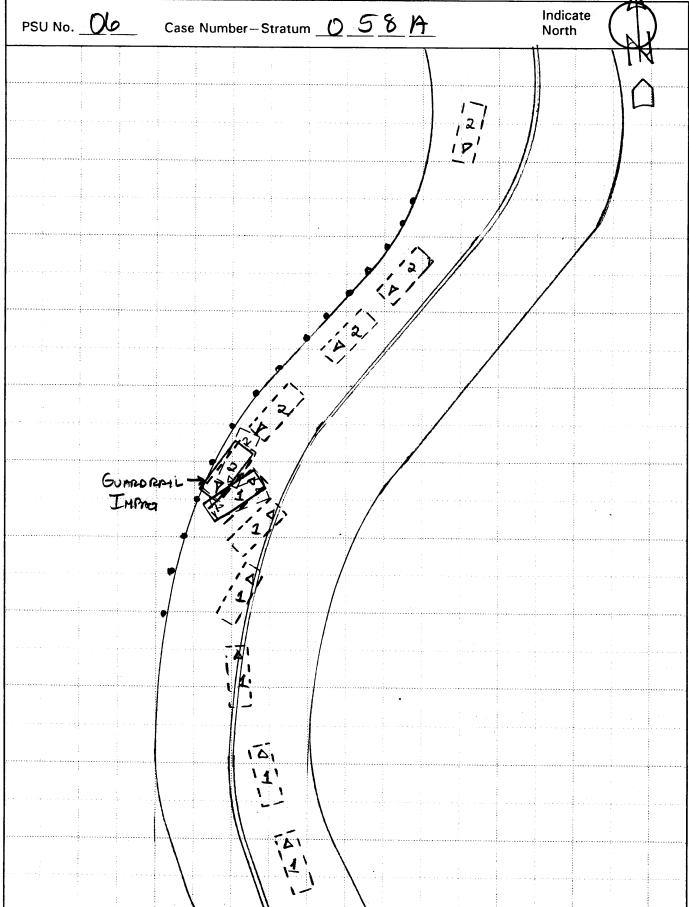
U.S. Department of Transportation

ACCIDENT COLLISION DIAGRAM

NOT TO SUPLE

National Highway Traffic Safety
Administration

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM





National Highway Traffic Safety

ACCIDENT COLLISION

NATIONAL ACCIDENT SAMPLING SYSTEM

U.S. Department of Transportation **MEASUREMENT TABLE** CRASHWORTHINESS DATA SYSTEM Administration Primary Sampling Unit Number 76 Case Number—Stratum **ACCIDENT COLLISION DIAGRAM CRASH DATA** LEVEL II (Cont'd) LEVEL I PHYSICAL EVIDENCE ABSENT physical evidence is present: VEH. #1 VEH. #2 VEH. #3 document reference point and reference To be accomplished when there is no physical evidence present at the scene: line relative to physical features present at the scene Heading Angle * approximate vehicle orientation at impact scale documentation of all accident and final rest induced physical evidence Surface Type * applicable road/roadway delineation (e.g., curbs/edge lines, lane markings, median scaled documentation of all roadside markings, pavement markings, etc.) objects contacted Surface Condition roadway surface type and condition of * applicable traffic controls (e.g., speed applicable roadways limit) grade measurements for all applicable Grade (v/h) * north arrow placed on diagram Measurement roadways and at location of rollover (between impact * sketch required and final rest) scaled representations of the vehicle(s) at pre-impact, impact, and final rest based LEVEL II Grade (v/h) PHYSICAL EVIDENCE PRESENT upon either: Measurement In addition to the level I tasks noted above, (at location of a) physical evidence, or rollover initiation) the following must be accomplished when b) reconstructed accident dynamics

Reference Point:	Reference line:	
Item	Distance and Direction from Reference Point	Distance and Direction from Reference Line
	·	

Item	Distance and Direction from Reference Point	Distance and Direction from Reference Line
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	
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National Highway Traffic Safety Administration

ACCIDENT FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

Administration	CRASHWORTHINESS DATA SYSTE
1. Primary Sampling Unit Number 06	SPECIAL STUDIES - INDICATORS
2. Case Number - Stratum 058 A	Check () each special study (SS14-SS18 below) that has been completed; code 1 for the checked
IDENTIFICATION	special studies and O for the special studies not checked.
3. Number of General Vehicle Forms Submitted O 2	6SS14 Fatal AOPS
4. Date of Accident	7SS15 Administrative Use
(Month, Day, Year) / 9 3	8SS16
5. Time of Accident <u>OOH3</u> Code reported military time of accident.	9SS17
NOTE: Midnight = 2400 Unknown = 9999	10SS18
·	NUMBER OF EVENTS
	11. Number of Recorded Events in This Accident
	Code the number of events which occurred in this accident.

ACCIDENT EVENTS

For each event that occurred in the accident, code the lowest numbered vehicle in the left columns and the other involved vehicle or object on the right.

Accident Event Sequence Number	Vehicle Number	Class Of Vehicle	General Area of Damage	Vehicle Number or Object Contacted	Class Of Vehicle	General Area of Damage
12. <u>0</u> <u>1</u>	13. 0	14. <u>O</u>	15	16. <u>0</u> 2	17. <u>O</u>	18. <u> </u>
19. 0 2	20. 02	21. 0	22. <u>R</u>	23. <u>56</u>	24. <u>DO</u>	25.
26. <u>0</u> <u>3</u>	27.	28. 0	29. 🖊	30. <u>3</u> 2	31. <u>OO</u>	32. Y J
33. <u>0</u> <u>4</u>	34. <u>O 2</u>	35. 01	36. <u>N</u>	37. <u>32</u>	38. 💇	39. 1
40. 0 5	41	42	43	44	45	46

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase \geq 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase ≥ 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van (≤ 4,500 kgs GVWR)
- (14) Other van ($\leq 4,500 \text{ kgs GVWR}$)
- (15) Pickup truck (≤ 4,500 kgs GVWR)
- (18) Other truck (≤ 4,500 kgs GVWR)
- (19) Unknown light truck type
- (20) School bus
- (21) Other bus
- (22) Truck (> 4,500 kgs GVWR)
- (23) Tractor without trailer
- (24) Tractor-trailer(s)
- (25) Motored cycle
- (28) Other vehicle
- (99) Unknown

CODES FOR GENERAL AREA OF DAMAGE (GAD)

CDS APPLICABLE AND OTHER VEHICLES

TDC APPLICABLE VEHICLES

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back
- (T) Top
- (U) Undercarriage
- (9) Unknown

- (0) Not a motor vehicle
- (N) Noncollision
- (F) Front
- (R) Right side
- (L) Left side
- (B) Back of unit with cargo area (rear of trailer or straight truck)
- (D) Back (rear of tractor)
- (C) Rear of cab
- (V) Front of cargo area
- (T) Top
- (U) Undercarriage
- (9) Unknown

CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

(01-30) - Vehicle Number

Noncollision

- (31) Overturn rollover
- (32) Fire or explosion
- (33) Jackknife
- (34) Other intraunit damage (specify):
- (35) Noncollision injury
- (38) Other noncollision (specify):
- (39) Noncollision details unknown

Collision With Fixed Object

- (41) Tree (≤ 10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

Nonbreakaway Pole or Post

- (50) Pole or post (≤ 10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)
- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify):

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify):
- (69) Unknown fixed object

Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (72) Pedestrian
- (73) Cyclist or cycle
- (74) Other nonmotorist or conveyance
- (75) Vehicle occupant
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (88) Other nonfixed object (specify):
- (89) Unknown nonfixed object
- (98) Other event (specify):
- (99) Unknown event or object

06-058A 199a

National Accident Sampling System-Crashworthiness Data System: General Vehicle Form Page 2 OCCUPANT RELATED 24. Rollover (0) No rollover (no overturning) 16. Driver Presence in Vehicle (0) Driver not present Rollover (primarily about the longitudinal axis) (1) Driver present (9) Unknown (1) Rollover, 1 quarter turn only (2) Rollover, 2 quarter turns (3) Rollover, 3 quarter turns 17. Number of Occupants This Vehicle (4) Rollover, 4 or more quarter turns (specify): (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown (5) Rollover--end-over-end (i.e., primarily about the lateral axis) (9) Rollover (overturn), details unknown 18. Number of Occupant Forms Submitted OVERRIDE/UNDERRIDE (THIS VEHICLE) **VEHICLE WEIGHT ITEMS** 200 19. Vehicle Curb Weight 25. Front Override/Underride (this Vehicle) Code weight to nearest 10 kilograms. 26. Rear Override/Underride (this Vehicle) (045) Less than 450 kilograms (610) 6,100 kilograms or more (0) No override/underride, or (999) Unknown not an end-to-end impact 2645 lbs X .4536 = 1200 kgs Override (see specific CDC) Source: (1) 1st CDC (2) 2nd CDC (3) Other not automated CDC (specify): 20. Vehicle Cargo Weight O, O O o Code weight to nearest 10 kilograms. Underride (see specific CDC) (000) Less than 5 kilograms (450) 4,500 kilograms or more (4) 1st CDC (999) Unknown (5) 2nd CDC (6) Other not automated CDC (specify): lbs X .4536 = , kgsRECONSTRUCTION DATA (7) Medium/heavy truck or bus override (9) Unknown 21. Towed Trailing Unit (0) No towed unit (1) Yes-towed trailing unit HEADING ANGLE AT IMPACT FOR (9) Unknown HIGHEST DELTA WASS CODING CHANG Values: (000)-(359) Code actual value մեջանում 11 22. Documentation of Trajectory Data for This Vehicle (997) Noncollision (0) No (998) Impact with object (1) Yes (999) Unknown 27. Heading Angle For This Vehicle 23. Post Collision Condition of Tree or Pole (For Highest Delta V) (0) Not collision (for highest delta V) with 28. Heading Angle For Other Vehicle tree or pole (1) Not damaged (2) Cracked/sheared (3) Tilted <45 degrees (4) Tilted ≥45 degrees (5) Uprooted tree (6) Separated pole from base (7) Pole replaced (8) Other (specify):

(9) Unknown

lational Accident Sampling System-Crashworthiness Data System: General Vehicle Form

√ l Page

-	3 System. General Vehicle Form V Page
OTHER DATA	61. Rollover Initiation Object Contacted
(00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown 57. Driver's Race/Ethnic Origin (0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane (4) Undercarriage (5) Other location on vehicle (specify): (8) Non-contact rollover forces (specify): (9) Unknown
(9) Unknown 58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car (8) Other (specify):	(0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (5) End-over-end (i.e., primarily about the lateral axis) (9) Unknown roll direction PRECRASH DATA
(9) Unknown	64. Pre-Event Movement (Prior to
If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank. If GV24 (Rollover) = 0, then GV59-GV63 must equal 0. If GV24 = 9, then GV59-GV63 must equal 9. 59. Rollover Initiation Type (0) No rollover (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify): (9) Unknown rollover initiation type 60. Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median	(01) Going straight (02) Slowing or stopping in traffic lane (03) Starting in traffic lane (04) Stopped in traffic lane (05) Passing or overtaking another vehicle (06) Disabled or parked in travel lane (07) Leaving a parking position (08) Entering a parking position (09) Turning right (10) Turning left (11) Making a U-turn (12) Backing up (other than for parking position) (13) Negotiating a curve (14) Changing lanes (15) Merging (16) Successful avoidance maneuver to a previous critical event (97) Other (specify): (98) No driver present (99) Unknown

(9) Unknown

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (01-30) — Vehicle Number

Noncollision

- (31) Turn-over fall-over
- (33) Jackknife

Collision With Fixed Object

- (41) Tree (≤ 10 cm in diameter)
- (42) Tree (> 10 cm in diameter)
- (43) Shrubbery or bush
- (44) Embankment
- (45) Breakaway pole or post (any diameter)

Nonbreakaway Pole or Post

- (50) Pole or post (≤ 10 cm in diameter)
- (51) Pole or post (> 10 cm but ≤ 30 cm in diameter)
- (52) Pole or post (> 30 cm in diameter)
- (53) Pole or post (diameter unknown)
- (54) Concrete traffic barrier
- (55) Impact attenuator
- (56) Other traffic barrier (includes guardrail) (specify):

- (57) Fence
- (58) Wall
- (59) Building
- (60) Ditch or culvert
- (61) Ground
- (62) Fire hydrant
- (63) Curb
- (64) Bridge
- (68) Other fixed object (specify):
- (69) Unknown fixed object

Collision with Nonfixed Object

- (71) Motor vehicle not in-transport
- (76) Animal
- (77) Train
- (78) Trailer, disconnected in transport
- (88) Other nonfixed object (specify):
- (89) Unknown nonfixed object
- (98) Other event (specify):
- (99) Unknown event or object

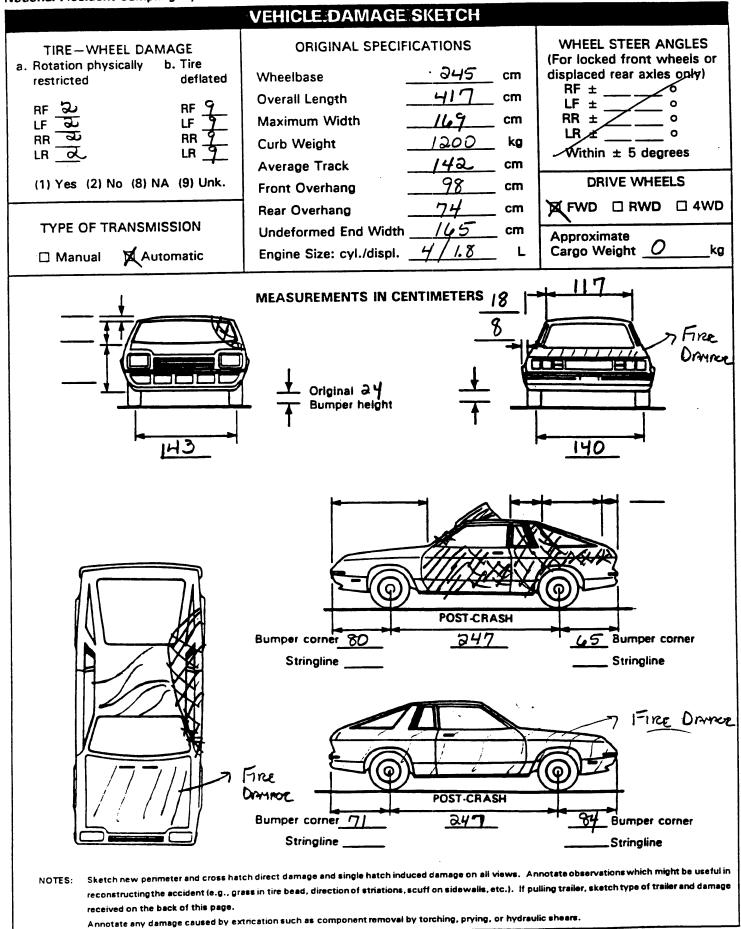


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National Highwa Administration	y Traffic Safety	EX	TERIOR	VEHIC	LE F	ORM	NA"		CCIDENT S		
1. Primar	y Sampling Unit Nu		06	-	Vehicle	Numbe	er			<u>D</u>	
2. Case N	lumber - Stratum	05	58 A	_							
		•	/EHICLE I	DENTI	CATI	ON					
VIN J	BRT	<u>238</u>	7 N				2.00	_	Model Y	ear <u>9</u>	<u>a</u>
Vehicle Ma	ke (specify): $\underline{\Gamma}$	502U			Vehicle	Model (s	specify):	Inc	ruse	<u>- x5</u>	 :
			LC	CATO	R						
Locate the	end of the damage maged axle for side	with respece impacts.	t to the veh	nicle long	gitudina	center	line or b	umper o	corner fo	r end i	mpacts
Specific Ir	npact No.	Location	of Direct Da	amage			Lo	ocation	of Field	L	-
	PAPPEDX	METON DUE	TO Fire	B EO. 56	८५ १० वि	une of	Rem 1	axle -	<u> </u>	<u>e)</u>	
											<u> </u>
			SH PROFI					minum .			
NOTES: Id	dentify the plane at ill, etc.) and label a	which the (djustments (C-measurem (e.g., free s	nents are pace).	taken	(e.g., at	bumpe	r, above	bumpe	r, at sil	, above
N	Measure and docum	ent on the v	ehicle diag	ram the	location	of max	imum c	rush.			
	Measure C1 to C6 formula of the C6 formula of th	rom driver to	o passenger	side in	front or	rear im	pacts ar	nd rear 1	to front	in side	
F	ree space value is on the individual C loca ide taper, etc. Rec	tions. This	may include	e the fol	lowing:	bumper	lead, b	umper t	body co aper, sid	ntour to	aken at rusion,
	•		,							`	
	Ise as many lines/c	Direct D		describ	e each	Jamaye	prome.	ſ			T
Specific Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C ₁	C,	C3	C4	C ₆	C ₆	±D
	LEFT SIDE	076	क्ष ८३५६	270	7	97	95	28	98	8	<u> </u>
	C1, C2		70								<u> </u>
	رف ا	Free stone			3	0	6	6	6	1	
	CHAX BELOW	1		ļ							
	belt line				,						
	C3C4C5										1
	AT SILL						ļ			<u> </u>	+
		 									
		270		270	1	a7	16	28	82	7	944,
1 Finn	MEASUR HENS	a 70	(e \$4	No.	1-7	 ~/-	1	0.00	w	-/-	1 110
											
}		 		†		1	 				

ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	96.5	inches	x 2.54	=	cm
Overall Length	164.1	inches	x 2.54	=	cm
Maximum Width	<u>66.7</u>	inches	x 2.54	=	cm
Curb Weight	<u>2,6 45</u>	pounds	x .4536	=	_, kg
Average Track	<u> 55.8</u>	inches	x 2.54	=	cm
Front Overhang		inches	x 2.54	=	cm
Rear Overhang		inches	x 2.54	=	cm
Undeformed End Width		inches	x 2.54	=	cm
Engine Size: cyl./displ.		cc	x .001	=	1.8 L
		CID	x .0164	 =	L

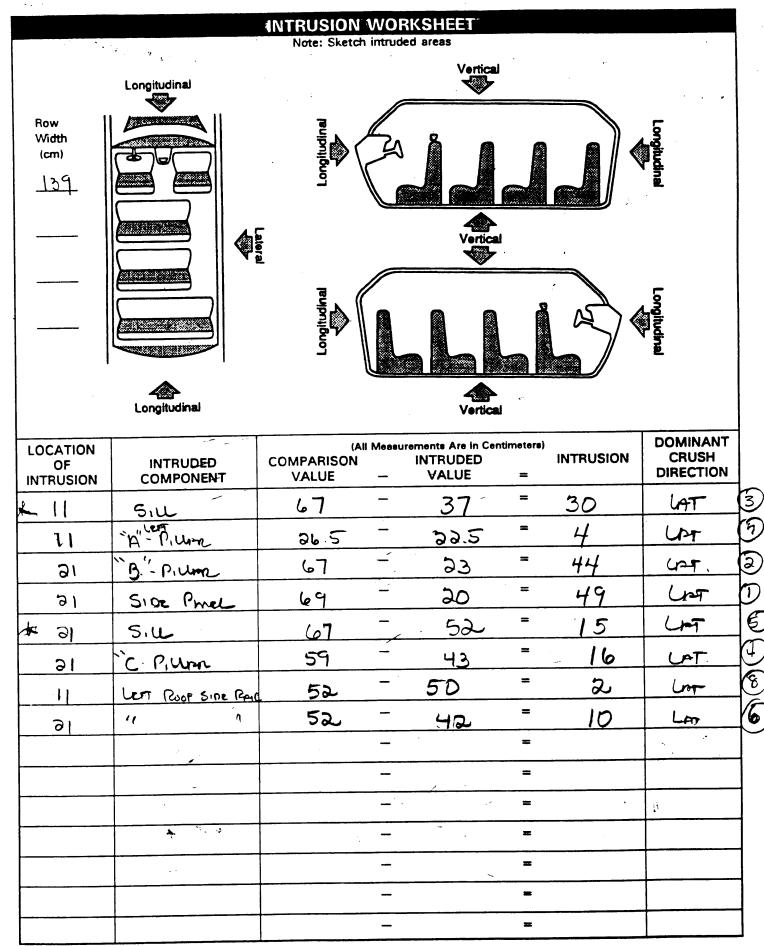


			CDC V	VORKSHE	51			
		. C	ODES FOR C	BJECT CON	TACTED			
(01-30)	- Vehicle Nu	mber		(57	7) Fence			
				(58	3) Wall			
Noncoll	lision) Building			i
	Overturn — ro)) Ditch or	culvert		
	Fire or explosi	on) Ground			
	Jackknife				2) Fire hydr	ant		
(34)	Other intrauni	t damage (specif	y):		3) Curb 1) Bridge			
/2E\	Nancelliaian in					ed object (s	enecify):	
	Noncollision in Other noncolli							
(39)	Noncollision -	- details unknow	vn	_		n fixed obje		
						nfixed Obje		
	n With Fixed O					ehicle not in	-transport	
	Tree (≤ 10 ci				2) Pedestria			
	Tree (> 10 ci				3) Cyclist o			_
	Shrubbery or Embankment	bush		(74	4) Other no	nmotorist o	r conveyand	e
(44)	Embankment			(7	5) Vehicle	occupant	· · · · · · · · · · · · · · · · · · ·	
(45)	Breakaway po	ole or post (any o	diameter)		6) Animal	•		
		•			7) Train			
	akaway Pole o						d in transpor	t
		≤ 10 cm in dian		(8)	B) Other no	onfixed obje	ct (specify):	
(51)		> 10 cm but ≤	30 cm in	10	O) Hakaay	n nonfixed	object	
(52)	diameter) Pole or post (> 30 cm in dian	neter)	(0.	e) Ulikilow	ii iidiiiixed (object	
		diameter unknov		(98) Other event (specify):				
(54)	Concrete traff	fic barrier		(99) Unknown event or object				
	Impact attenu							
(56)	Other traffic to (specify):	parrier (includes	guardrail)					
	(Specify)							
		DEFORMA	TION CLASS	IFICATION E	BY EVENT N	IUMBER		
					(4)	(5)	(0)	
Accident Event	t	(1) (2) Direction	Incremental	(3)	Specific Longitudinal	Specific Vertical or	(6) Type of	(7)
Sequence	e Object	of Force	Value of	Deformation	or Lateral	Lateral	Damage	Deformation
Number	•	(degrees)	Shift	Location	Location	Location	Distribution	Extent
0 1	02	- 7 O	OD		FtP	$\overline{\Box}$	\overline{w}	04
								$\overline{}$
1) 2	<u> 32</u>							
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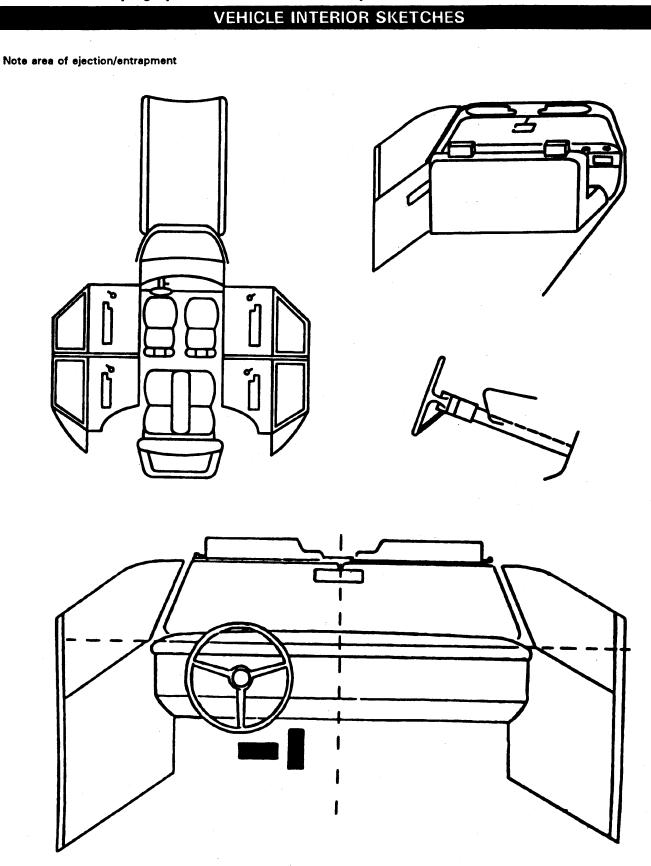
ational Highway Traffic Sefety	INTERIOR VE	HICLE FORM NA	TIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM
dministration	0.1	GL	AZING
1. Primary Sampling Unit Number	- 09	Glazing Damage from Imp	act Forces
2. Case Number - Stratum	058 A		RF 9 18. LR 9 19. RR 9
	01		
3. Vehicle Number		20. BL 9 21. Roof 8 22	
INTEGRITY		(0) No glazing damage from	m impact forces
4. Passenger Compartment Integri	iv 99	(2) Glazing in place and cr(3) Glazing in place and ho	acked from impact forces
(00) No integrity loss		(4) Glazing out-of-place (d	racked or not) and not holed from
Yes, Integrity Was Lost Through	OUR TO 02	impact forces (5) Glazing out-of-place ar	d holed from impact forces
(01) Windshield	Fire CON	(6) Glazing disintegrated f	
(02) Door (side) (03) Door/hatch (back door)	Ass Paviow, 10	(7) Glazing removed prior(8) No glazing	to accident
(O4) Roof	2nd Review:	(9) Unknown if damaged	
(05) Roof glass (06) Side window	and the	Ol. in Demand from On	
(07) Rear window (backlight)		Glazing Damage from Oc	
(08) Roof and roof glass (09) Windshield and door (side)			RF 9 26. LR 9 27. RR 9
(10) Windshield and roof (11) Side and rear window (side windo	ow and hacklight)	28. BL	O. Other NALE COMING CHANGE
(12) Windshield and side window			45t Review: 1G o glazing or no glazing eview:
(13) Door and side window (98) Other combination of above (spec	eifv):	(1) Glazing contacted by (occupant but no glazing damage
		(2) Glazing in place and ci	acked by occupant contact bled by occupant contact
(99) Unknown		(4) Glazing out-of-place (c contact and not holed	racked or not) by occupant
_			by occupant contact and holed by
Door, Tailgate or Hatch Opening	_	occupant contact (6) Glazing disintegrated b	y occupant contact
5. LF 9 6. RF 7. LR 0 8. R	$_{\rm RR}$ $O_{\rm 9.~TG/H}$ I	(9) Unknown if contacted	•
5. LF 0. M /. Li 5. M		If No Glazing Damage An	No Occupant Contact or No
(0) No door/gate/hatch (1) Door/gate/hatch remained closed a	and operational	Glazing, Then Code IV31	Through IV46 As 10
(2) Door/gate/hatch came open during	collision Review: 1G	Type of Window/Windsh	ield Cloring
(3) Door/gate/hatch jammed shut(8) Other (specify):	and Review:		
	getan availar en la commentante de la commentante del commentante de la commentante		. RF <u>7</u> 34. LR <u>7</u> 35. RR <u>1</u>
(9) Unknown		36. BL 37. Roof	38. Other 40 NASS COVERNO UNAME
		(O) No glazing contact and	d no damage, or no derina/iew:
Damage/Failure Associated with Do	or, Tailgate or Hatch	(1) AS-1 — Laminated (2) AS-2 — Tempered	المتعارض والمعارض والمعارض والمتعارض
Opening in Collision. If IV05-IV09	_	(3) AS-3 — Tempered-tin	ted
10. LF_011. RF_012. LR_13.		(4) AS-14 — Glass/Plastic (8) Other (specify):	
(O) No door/gate/hatch or door not op	ened have a subject to the bened		
	324 KSAIRM: 40	(9) Unknown	
Door, Tailgate or Hatch Came Open Do (1) Door operational (no damage)	فيحسبه في دورد من المراد و المراجة	Window Precrash Glazing	n Status
(2) Latch/striker failure due to damage(3) Hinge failure due to damage	•		. RF <u>9</u> 42. LR <u>9</u> 43. RR <u>9</u>
(4) Door structure failure due to dame			
(5) Door support (i.e., pillar, sill, roof a etc.) failure due to damage	side rail,	44. BL 4 45. Roof <u>U</u> 4	6. Other 20 NASS CLIDING CHANG
(6) Latch/striker and hinge failure due	to damage	(O) No glazing contact an	1st Review: 1G d no damage, or no glazing 2nd Review
(8) Other failure (specify):		(1) Fixed (2) Closed	Znd Review:
(9) Unknown		(3) Partially opened	
		(4) Fully opened (9) Unknown	
		\$	



OCCUPANT AREA-INTRUSION Note: If no intrusions, leave variables IV47-IV86 blank. INTRUDING COMPONENT Interior Components Dominant Magnitude Crush (01) Steering assembly Location of Intruding (02) Instrument panel left Direction of Intrusion Component Intrusion (03) Instrument panel center (04) Instrument panel right 48. 25 49. 5 50.3 (05) Toe pan (06) A (A1/A2)-pillar 🗸 (07) B-pillar 🗸 52.<u>0</u>7 53.<u>4</u> 54.3 (08) C-pillar (09) D-pillar (10) Door panel (side) (12) Roof (or convertible top) 56. <u>17</u> 57. <u>4</u> 58. 3 (13) Roof side rail (14) Windshield (15) Windshield header (16) Window frame 60. <u>08</u> 61. <u>3</u> 62. <u>3</u> (17) Floor pan (includes sill) (18) Backlight header (19) Front seat back (20) Second seat back (21) Third seat back 64. (22) Fourth seat back (23) Fifth seat back (24) Seat cushion _ 68. <u>13</u> 69. 2 70. 3 (25) Back door/panel (e.g., tailgate) (26) Other interior component (specify): (27) Side panel - forward of the A (A2)-pillar 72. 06 73. 1 74. 3 (28) Side panel - rear of the A (A2)-pillar **Exterior Components** (30) Hood 76. 13 77. 78. 3 (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment (specify): 79.____ 80.___ 81.___ 82.___ (33) Unknown exterior object 9th (97) Catastrophic (98) Intrusion of unlisted component(s) (specify): 10th 83.___ 84.__ 85.__ 86.__ (99) Unknown LOCATION OF INTRUSION MAGNITUDE OF INTRUSION (1) \geq 3 centimeters but < 8 centimeters Fourth Seat $(2) \ge 8$ centimeters but < 15 centimeters Front Seat (41) Left $(3) \ge 15$ centimeters but < 30 centimeters (11) Left (42) Middle (4) \geq 30 centimeters but < 46 centimeters (12) Middle (43) Right (13) Right (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters (97) Catastrophic Second Seat (7) Catastrophic (98) Other enclosed (21) Left (9) Unknown area (specify) (22) Middle (23) Right (99) Unknown DOMINANT CRUSH DIRECTION Third Seat (1) Vertical (31) Left (2) Longitudinal (32) Middle (3) Lateral (33) Right (7) Catastrophic (9) Unknown

STEER	ING RIM/SPOI	KE DEFORM	//ATION			
	(All Measurements A					
COMPARISON VALUE -	DAMAGE	VALUE	=	DEFORMATIO	N	
	-		=			
1)~,,,		Fire	=			
UNK-	DUE TO	7	=			
	. \		=			
·						
						-

STEERING COLUMN	9	93. Location of Steering Rim/Spoke 99. 19. 19. 19. 19. 19. 19. 19. 19. 19.
87. Steering Column Type (1) Fixed column (2) Tilt column	+	(00) No steering rim deformation Quarter Sections
(3) Telescoping column		(01) Section A
(4) Tilt and telescoping column		(02) Section B
(8) Other column type (specify):		(03) Section C
(9) Unknown		(04) Section D
		Half Sections (05) Upper half of rim/spoke
		(06) Lower half of rim/spoke Upper / Li
		(07) Left half of rim/spoke Lower f h
00 81 1	~ ~	(08) Right half of rim/spoke
88. Blank (This variable is left blank	$\mathbf{x} \mathbf{x}$	(09) Complete steering wheel collapse
so that numbering consistency		(10) Undetermined location
can be maintained with the		(99) Unknown
1988-93 CDS.		
		INSTRUMENT PANEL
	<u>x x</u>	94. Odometer Reading <u>999</u> ,000
(This variable is left blank		kilometers—Code to the
so that numbering consistency can be maintained with the	1	nearest 1,000 kilometers
1988-93 CDS.		(000) No odometer
		(001) Less than 1,500 kilometers
		(500) 499,500 kilometers or more (999) Unknown
90. Blank X	x x	(abb) diminothi
(This variable is left blank		
so that numbering consistency		,miles X 1.6093 =,kilometers
can be maintained with the 1988-93 CDS.		Source:
1900-93 CD3.		
		95. Instrument Panel Damage from
91. Blank	<u>x x</u>	Occupant Contact?
(This variable is left blank		(0) No
so that numbering consistency		(1) Yes (9) Unknown
can be maintained with the 1988-93 CDS.		(o) Cindiowii
7000 00 000.		96. Knee Bolsters Deformed from
		Occupant Contact?
92. Steering Rim/Spoke Deformation	991	(O) No
Code actual measured		(1) Yes (8) Not present
deformation to the nearest centimeter	ļ	(9) Unknown
(00) No steering rim deformation		• •
(01-14) Actual measured value in centimeter (15) 15 centimeters or more		97. Did Glove Compartment Door Open
(98) Observed deformation cannot be meas	sured	During Collision(s)?
(99) Unknown		(O) No
		(1) Yes
		(8) Not present (9) Unknown
	ł	10) Similariii
	- 1	



Sketch windshield contact(s) and the damaged area(s) on the instrument panel outline (e.g., radio, glove compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupant Contact page.

		POII	V15	JF UCC	CUPANT CONTAC	ا ر		
Contact	Interior Component Contacted	Occupant No. If Known	R	Body egion If nown	Supporting Ph	vsical F	vidence	Confidence Level of Contact Point
A	Contacted	Kiluttii	+	10411	Copporting	y310a. L	·	
	 							
В								
С			U	NKWOU	W- De TO Fire	e Or	amince.	
D			Ì					
Ε								
F								
G								<u> </u>
	 	! 						
Н	 							
J								
K								
L								
M	 							
N		ļ						
		<u> </u>					· · · · · · · · · · · · · · · · · · ·	<u> </u>
(05) Steer of control (07) Steer select (08) Add of deck, (09) Left in (10) Cente (11) Right (12) Glove (13) Knee (14) Winds of the		ation nission achment , CB, tape nd below if and below and below or ne or more neader,	(26) (27) (28) RIGHT	Left side one or more frame, wind B-pillar, or Other left Left side of SIDE Right side excluding Right side Right A (A Right B-pi	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest A1/A2)-pillar llar ort pillar (specify):	(48) (49) ROOF (50) (51) (52) (53)	Interior loose object Child safety seat (see	t (specify): top pan) punted
side of (15) Winds of the A (A1 mirro (16) Drive cover (17) Passe	shield including on a following: front h I/A2)-piller, instrur r (passenger side o r side air bag com r enger side air bag	ne or more neader, nent panel, or only)	(36)	Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B pillar, or roof side rail. Other right side object (specify): Right side window sill			Parking brake hand Foot controls include brake Backlight (rear win Backlight storage r Other rear object (s	ding parking dow) ack, door, etc.
	eartment cover shield reinforced b	y exterior			k support			
_	t (specify): r front object (spec	cify):	(42)	attachment point CONTA		CONFIDENCE LEV		
LEFT SIDE			(43)	Other res (specify):	traint system component		(1) Certain	
(20) Left (exclu	side interior surfac ding hardware or a	armrests		Head rest Air bag (traint system use codes "16" and "17"		(2) Probable (3) Possible (9) Unknown	

for injuries sustained from air bag

compartment covers)

(9) Unknown

(21) Left side hardware or armrest

(22) Left A (A1/A2)-pillar

AUTOMATIC RESTRAINTS NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form. **AIR BAGS** Right Left Availability/Function 1 Ove to Fine **Deployment** R S a **Failure** Air Bag System Deployment Did Air Beg System Fall? Air Bag System Availability/Function (O) Not equipped/not available (O) Not equipped/not available (O) Not equipped/not available (1) Air bag deployed during accident (1) No (1) Air bag (as a result of impact) (2) Yes (specify): (2) Air bag deployed inadvertently just Non-functional (9) Unknown prior to accident (2) Air bag disconnected (specify): (3) Air bag deployed, accident sequence (3) Air bag not reinstalled undetermined (4) Nondeployed (9) Unknown (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown **AUTOMATIC BELTS** Right Left Availability/Function F Use R Type S **Proper Use** Failure Modes Automatic (Passive) Belt Failure Modes Automatic (Passive) Belt System Proper Use of Automatic (Passive) Belt **During Accident** Availability/Function System (0) Not equipped/not available/not used (O) Not equipped/not available/not in use (0) Not equipped/not available (1) No automatic belt failure(s) (1) Automatic belt used properly (1) 2 point automatic belts Torn webbing (stretched webbing not (2) 3 point automatic belts (2) Automatic belt used properly with (3) Automatic belts - type unknown child safety seat included) (3) Broken buckle or latchplate Non-functional Automatic Belt Used Improperly (4) Upper anchorage separated (3) Automatic shoulder belt worn under (5) Other anchorage separated (specify): (4) Automatic belts destroyed or rendered inoperative (6) Broken retractor (4) Automatic shoulder belt worn behind (9) Unknown (7) Combination of above (specify): back (8) Other automatic belt failure (specify): (5) Automatic belt worn around more Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed than one person (9) Unknown or rendered inoperative (6) Lap portion of automatic belt worn (1) Automatic belt in use on abdomen (7) Automatic lap and shoulder belt or (2) Automatic belt not in use (manually automatic shoulder belt used disconnected, motorized track inoperative) improperty (3) Automatic belt use unknown with child safety seat (specify): (9) Unknown (8) Other improper use of automatic belt Automatic (Passive) Belt System Type system (0) Not equipped/not available (specify): (1) Non-motorized system (9) Unknown (2) Motorized system . (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Ocupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous page.

		Left	Center	Right
F	Availability	9		9
R S	Use	9		9
S T	Failure Modes	9		9
Ş	Availability	9		9
SECOZO	Use	9	\perp	9
Ň	Failure Modes	9		<u> </u>
T	Availability			•
1	Use			
R D	Failure Modes			
Q	Availability			
H	Use			
E R	Failure Modes			

Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown

- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

	CH	IILD SAFE	TY SEAT F	FIEL	D ASSE	SSMENT			
Wh the	en a child safety seat is pre occupant's number using	sent enter the the codes list	e occupant's need below. Co	ompl	er in the fi ete a colu	rst row and co mn for each c	omplete the co hild safety se	olumn below at present.	
Oc	cupant Number								
1.	Type of Child Safety Seat								
2.	Child Safety Seat Orientation								
3.	Child Safety Seat Harness Usage								
4.	Child Safety Seat Shield Uasge								
5.	Child Safety Seat Tether Usage								
6.	Child Safety Seat Make/Model		Speci	fy B	elow for E	ach Child Safe	ety Seat		
1.	Type of Child Safety Seat			3.	Child Sat	fety Seat Harr	ness Usage		
	(0) No child safety seat (1) Infant seat								
	(2) Toddler seat			5.	Child Sat	ety Seat Teth	er Usage		
	(3) Convertible seat			٠.		tions Below A		/ariables 3-5.	
	(4) Booster seat(7) Other type child safet	v saat lanaaif	5.1.		· ·	child safety s			
	(7) Other type child safet	y seat (specii	у).		(00) 140	Ciliu Salety S	eat		
	(8) Unknown child safety (9) Unknown if child safe				(01) Aft	gned with Har er market har led, not used			
2.	Child Safety Seat Orienta	tion			ness/shield/te	ther used			
	(00) No child safety seat				(03) Child safety seat used, but no after market				
	•					ness/shield/te			
	Designed for Rear Facing This Age/Weight	101				known if harn led or used	ess/snieia/tetr	ier	
	(01) Rear facing				aut	ed of used			
	(02) Forward facing				Designed	With Harnes	s/Shield/Tethe	er	
	(08) Other orientation (sp	ecify):				rness/shield/te			
	(09) Unknown orientation		_			rness/shield/te known if harn		ner used	
								`	
	Designed for Forward Fac	ing for This				n If Designed			
	Age/Weight (11) Rear facing					rness/shield/te rness/shield/te		ļ	
	(12) Forward facing					known if harn		her used	
	(18) Other orientation (sp	pecify):			(25) 011	K1104411 11 116111	633/3111610/teti	ici uscu	
	(19) Unknown orientation		_		(99) Un	known if child	l safety seat u	ısed	
				6.	Child Sa	fety Seat Mak	e/Model		
	Unknown Design or Orien Age/Weight, or Unknown		is			make/model a		number)	
	(21) Rear facing								
	(22) Forward facing								
	(28) Other orientation (sp	pecify):							
	(29) Unknown orientation	n	•						
	(99) Unknown if child sa	fety seat used	d (,				
									

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
F	Head Restraint Type/Damage	9	0	9
i	Seat Type	೦೩	00	05
R S	Seat Performance	9	0	9
T	Seat Orientation	1	0)
S E	Head Restraint Type/Damage	9	9	9
E	Seat Type	99	99	99
O N	Seat Performance	ġ	9	9
Ď	Seat Orientation	i)	
Т	Head Restraint Type/Damage			
Ĥ	Seat Type			
Ŕ	Seat Performance			
D	Seat Orientation			
0	Head Restraint Type/Damage		·	
Ť	Seat Type			
E	Seat Performance			
R	Seat Orientation			

Head	Restraint	Type/Damage	by	Occupant	at	This
Occur	oant Posit	tion				

- (0)No head restraints
- (1) Integral - no damage
- Integral damaged during accident (2)
- (3) Adjustable - no damage
- (4) Adjustable - damaged during accident
- (5) Add-on — no damage
- (6) Add-on - damaged during accident
- (8) Other Specify):
- (9) Unknown

Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s) (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

Seat Performance (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify:
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8) Other (specify):
- (9) Unknown

Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- Side facing seat (inward) (3)
- Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

ECTION No [Yes [escribe indications of ejection and		ejection(s):
Occupant Number		
Ejection		
(Note on Vehicle Interior Sketch) Ejection Area		
Ejection Medium		
Medium Status		
ection (1) Complete ejection (1) Partial ejection (3) Ejection, Unknown degree (9) Unknown ection Area (1) Windshield	(7) Roof (8) Other area (e.g., back pickup, etc.) (specify): (9) Unknown Ejection Medium (1) Door/hatch/tailgate	(9) Unknown Medium Status (Immediately Prito Impact) (1) Open
(2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	(2) Nonfixed roof structur (3) Fixed glazing (4) Nonfixed glazing (spec	(3) Integral structure
NTRAPMENT No [Ye escribe entrapment mechanism: _		

National Accident Sampling System-Crashworthiness Data System: Occupant Assessment Form

	RESTRAINT SYST	EM EVALUATION
17.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag Non-functional
	(4) Lap and shoulder belt(5) Belt available—type unknown	(2) Air bag disconnected (specify):
	Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed)	(3) Air bag not reinstalled (9) Unknown
	(8) Other belt (specify):	22. Air Bag System Deployment (0) Not equipped/not available
	(9) Unknown	(1) Air bag deployed during accident (as a result of impact)
18.	Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed	(2) Air bag deployed inadvertently just prior to accident (3) Air bag deployed, accident sequence undetermined
	(O1) Inoperative (specify): (O2) Shoulder belt	(4) Nondeployed (5) Unknown if deployed
	(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	(6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown
	 (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat 	23. Are There Indications of Air Bag System Failure? (0) Not equipped/not available
	(15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify):	(1) No (2) Yes (specify):
	(99) Unknown if belt used	(9) Unknown
19.	Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
	 Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): 	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt
	(8) Other improper use of manual belt system (specify):	(5) Belt used, type not specified(6) Child safety seat(7) Other or automatic restraint (specify):
	(9) Unknown	(8) Restrained, type unknown (9) Police indicated "unknown"
20.	Manual (Active) Belt Failure Modes During Accident (0) No manual belt used (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):	
	(7) Combination of above (specify):	
	(8) Other manual belt failure (specify):	

Administration

U.S. Department of Transportation National Highway Traffic Safety

BEST AVAILABLE COPY

Form Approved O.M.B. No. 2127-0021

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

<u>058A</u>

4. Occupant Number

INJURY DATA

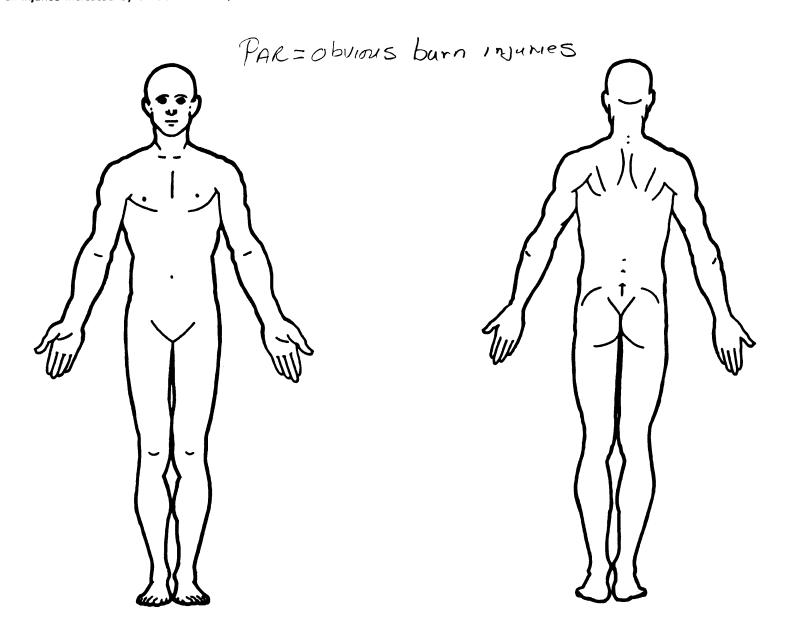
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

				0.1.0	CA.I.S				Injury	Occupar
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure		A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Area Indirect Intrusion Injury Number
1st	5. 9	69	7. 9	8. <u>20</u>	9. 🙆	10	11. 💆	12. <u>92</u>	13. 🔟	14. 3 15.00
2nd	16	17	18	19	20	21	22	23	24	25 26
3rd	27	28	29 3	30	31	32	33	34	35	36 37
4th	38	39	40	41	42	43	44	45	46	47 48
5th	49	50	51	52	53	54	55	56	57	58 59
6th	60	61	62	63	64	65	66	67	68	69 70
7th	71	72	73	74	75	76	77	78	79	80 81
8th	82	83	84	85	86	87	88	89	90	91 92
9th	93	94	95	96	97	98	99	100	101 10	02 103
10th	104	105 1	06 10	07	108	109	110	111	112 1	13 114

				OCCI	JPANT I	NJURY	DATA-	<u> </u>			
				0.I.CA	I.S				Inju ry Source	Direct/	Occupant Area
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Confidence Level	Indirect Injury	Intrusion Number
l 1th											
1 2th											
13th	and the second										
1 4th											
15th											
16th											
17th											
18th						· —					
19th											
20th											
21st											
22nd											
23rd	_										
24th	_				<u> </u>						
25th		مانيس مانيس									

OFFICIAL INJURY DATA - SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



SOURCE OF INJURY DATA (26) Left side window glass or frame (61) Backlight storage rack, door, etc. (62) Other rear object (specify): (26) Left side window glass including OFFICIAL (1) Autopsy records with or without hospital/ one or more of the following: frame, window sill, A (A1/A2)-pillar, medical records EXTERIOR of OCCUPANT'S VEHICLE B-piller, or roof side rail. (2) Hospital/medical records other than (65) Hood (27) Other left side object (specify): emergency room (e.g., discharge (66) Outside hardware (e.g., outside summary) (3) Emergency room records only (including (28) Left side window sill mirror, antenna) Other exterior surface or tires associated X-rays or other lab reports) (4) Private physician, walk-in or emergency RIGHT SIDE (specify): (30) Right side interior surface, (68) Unknown exterior objects clinic excluding hardware or armrests EXTERIOR OF OTHER MOTOR VEHICLE (31) Right side hardware or armrest UNOFFICIAL (70) Front bumper (32) Right A (A1/A2)-pillar (5) Lay coroner report (71) Hood edge (33) Right B-pillar (6) E.M.S. personnel (72) Other front of vehicle (specify): (34) Other right pillar (specify): Interviewee Other source (specify): (35) Right side window glass or frame (73) Hood (74) Hood ornament (36) Right side window glass including (9) Police (75) Windshield, roof rail, A-pillar one or more of the following: frame, window sill, A (A1/A2)-pillar, (76) Side surface B-pillar, or roof side rail. (77) Side mirrors INJURY SOURCE (78) Other side protrusions (specify) (37) Other right side object (specify): **FRONT** (01) Windshield (79) Rear surface (38) Right side window sill (02) Mirror (80) Undercarriage (03) Sunvisor (81) Tires and wheels (04) Steering wheel rim INTERIOR (05) Steering wheel hub/spoke (82) Other exterior of other motor vehicle (40) Seat, back support (specify): (41) Belt restraint webbing/buckle (06) Steering wheel (combination (42) Belt restraint B-pillar or door frame of codes 04 and 05) (83) Unknown exterior of other motor vehicle attachment point (07) Steering column, transmission selector lever, other attachment (43) Other restraint system component OTHER VEHICLE OR OBJECT IN THE (specify):_ (08) Add on equipment (e.g., CB, tape **ENVIRONMENT** (44) Head restraint system deck, air conditioner) (84) Ground (45) Air bag (use codes "16" and "17" for injuries (09) Left instrument panel and below (10) Center instrument panel and below sustained from air bag compartment covers) (85). Other vehicle or object (specify) (11) Right instrument panel and below (46) Other occupants (specify): (86) Unknown vehicle or object (12) Glove compartment door (47) Interior loose objects (13) Knee bolster NONCONTACT INJURY (48) Child safety seat (specify): (14) Windshield including one or more (90) Fire in vehicle of the following: front header, (91) Flying glass (49) Other interior object (specify): A (A1/A2)-pillar, instrument panel, (92) Other noncontact injury source mirror, or steering assembly (driver (specify): side only) (93) Air bag exhaust gases (15) Windshield including one or more ROOF (97) Injured, unknown source of the following: front header, (50) Front header (51) Rear header A (A1/A2)-pillar, instrument panel, or (52) Roof left side rail mirror (passenger side only) INJURY SOURCE CONFIDENCE (63) Roof right side rail (16) Driver side air bag compartment cover LEVEL (54) Roof or convertible top (17)Passenger side air bag compartment cover (1) Certain Windshield reinforced by exterior object Probable 121 FLOOR (specify):_ (3) Possible (19) Other front object (specify): (56) Floor (including toe pan) (9) Unknown (57) Floor or console mounted transmission lever, including console LEFT SIDE DIRECT/INDIRECT INJURY (58) Parking brake handle (20) Left side interior surface. Direct contact injury excluding hardware or armrests (59) Foot controls including parking Indirect contact injury brake (21) Left side hardware or armrest Noncontact injury (22) Left A (A1/A2)-pillar Injured, unknown source

- (23) Left B-pillar
- (24) Other left pillar (specify):

OCCUPANT INJURY CLASSIFICATION

REAR

(60) Backlight (rear window)

Body Region

- (2) Face
- (3) Neck
- Thorax
- Abdomen
- (6) Spine
- (7) Upper Extremity
- Lower Extremity
- Unspecified

Type of Anatomic Structure

- Whole Area (1)
- Vessels Nerves
- Organs (includes muscles/ (4)
- ligaments)
- Skeletal (includes joints)
- (6)Head - LOC
- Skin

Specific Anatomic Structure

- Whole Area (02) Skin Abrasion
- (04) Skin Contusion
- (06) Skin Leceration (08) Skin Avulsion
- Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- Injury NFS
- Trauma, other than mechanical

Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness (10) Concussion

- (02) Cervical (04) Thoracic

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor injury
- Moderate injury
- Serious injury (3)
- Severe injury (4)
- Critical injury
- Maximum (untreatable) (6)
- Injured, unknown severity

Aspect

- Right
- Left
- Bilateral
- Central
- Anterior
- (6) (7) **Posterior** Superior
- Unknown
- Whole region

OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level (mg/di)

BAL = ____

Glasgow Coma Scale Score

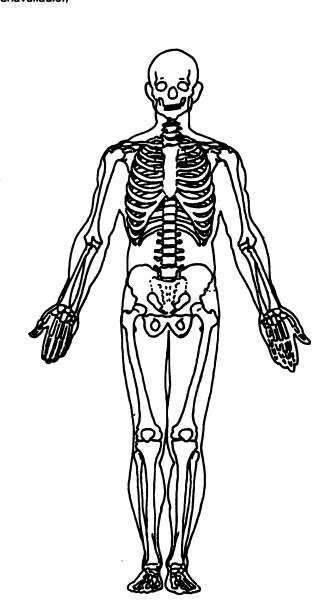
GCSS =

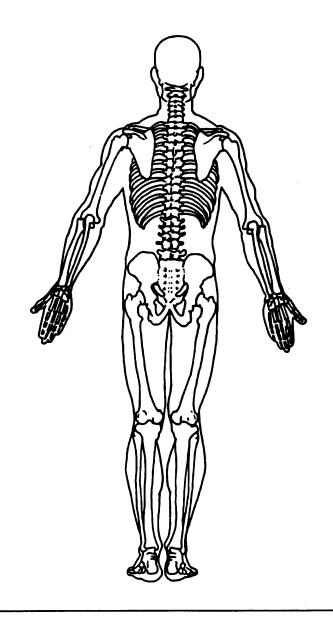
Units of Blood Given

Units =

Arterial Blood Gases

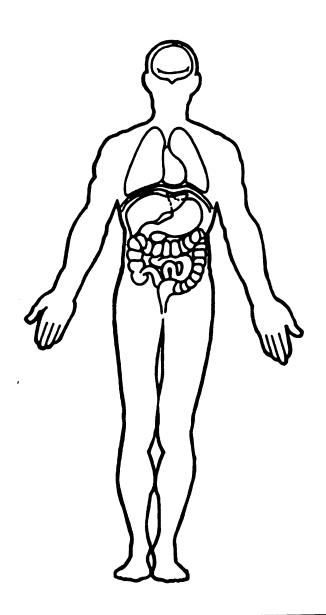
HCO₃

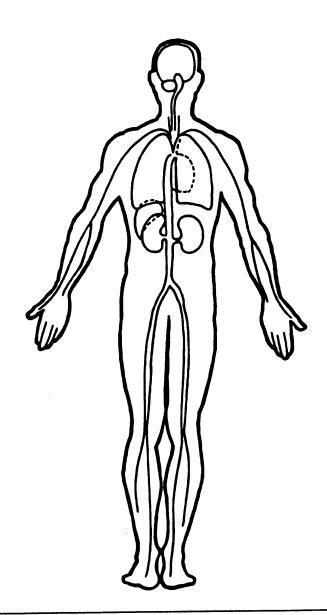




OFFICIAL INJURY DATA -INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





Natio	onal Accident Sampling System-Crashworthiness Da	ata System: General Vehicle Form	Page :
	OCCUPANT RELATED	24. Rollover	0
16.	Driver Presence in Vehicle (0) Driver not present (1) Driver present	(0) No rollover (no overturning) Rollover (primarily about the longitudinal axis)	
17	(9) Unknown Number of Occupants This Vehicle	(1) Rollover, 1 quarter turn only(2) Rollover, 2 quarter turns(3) Rollover, 3 quarter turns	
17.	(00-96) Code actual number of occupants for this vehicle (97) 97 or more	(4) Rollover, 4 or more quarter turns (specify):	•
18.	Number of Occupant Forms Submitted	(5) Rolloverend-over-end (i.e., primarily about the lateral axis)(9) Rollover (overturn), details unknown	
	VEHICLE WEIGHT ITEMS	OVERRIDE/UNDERRIDE (THIS VEHICLE	3)
19.	Vehicle Curb Weight		0
,	10 kilograms. (045) Less than 450 kilograms (610) 6,100 kilograms or more	26. Rear Override/Underride (this Vehicle)	<u>O</u>
	(999) Unknown 2,1 91 lbs x .4536 = 0,994 kgs	(0) No override/underride, or not an end-to-end impact	
	Source: 17 108 X .4536 =	Override (see specific CDC) (1) 1st CDC	
20.	Vehicle Cargo Weight Code weight to nearest 10 kilograms.	(2) 2nd CDC (3) Other not automated CDC (specify):	
	(000) Less than 5 kilograms (450) 4,500 kilograms or more (999) Unknown	Underride (see specific CDC) (4) 1st CDC (5) 2nd CDC	
	,lbs X .4536 =,kgs	(6) Other not automated CDC (specify):	
21.	RECONSTRUCTION DATA Towed Trailing Unit	(7) Medium/heavy truck or bus override (9) Unknown	
ľ	(0) No towed unit (1) Yes—towed trailing unit		
	(9) Unknown	HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V	
22.	Documentation of Trajectory Data for This Vehicle (0) No (1) Yes	Values: (000)-(359) Code actual value view: 19 (997) Noncollision (998) Impact with object (999) Unknown	HA.VOE
23.	Post Collision Condition of Tree or Pole (For Highest Delta V)	27. Heading Angle For This Vehicle	
	(0) Not collision (for highest delta V) with tree or pole (1) Not damaged (2) Cracked/sheared (3) Tilted <45 degrees	28. Heading Angle For Other Vehicle 075	8
	 (4) Tilted ≥45 degrees (5) Uprooted tree (6) Separated pole from base (7) Pole replaced (8) Other (specify): 	•	
	(9) Unknown		

National Accident Sampling System-Crashworthiness Data System: General Vehicle Form

OTHER DATA	61. Rollover Initiation Object Contacted
56. Driver's Zip Code	
(00000) Driver not present (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99999) Unknown	62. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane
57. Driver's Race/Ethnic Origin (0) Driver not present (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander (8) Other (specify):	(3) End plane (4) Undercarriage (5) Other location on vehicle (specify): (8) Non-contact rollover forces (specify): (9) Unknown 63. Direction of Initial Roll
(9) Unknown 58. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car (8) Other (specify):	(0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (5) End-over-end (i.e., primarily about the lateral axis) (9) Unknown roll direction PRECRASH DATA
(9) Unknown	64. Pre-Event Movement (Prior to Recognition of Critical Event)
ROLLOVER DATA If GV07 (Body Type) ≠ 1-49, leave GV59-GV63 blank. If GV24 (Rollover) = 0, then GV59-GV63 must equal 0. If GV24 = 9, then GV59-GV63 must equal 9.	 (O1) Going straight (O2) Slowing or stopping in traffic lane (O3) Starting in traffic lane (O4) Stopped in traffic lane (O5) Passing or overtaking another vehicle
59. Rollover Initiation Type (0) No rollover (1) Trip-over (2) Flip-over (3) Turn-over (4) Climb-over (5) Fall-over (6) Bounce-over (7) Collision with another vehicle (8) Other rollover initiation type specify): (9) Unknown rollover initiation type	(06) Disabled or parked in travel lane (07) Leaving a parking position (08) Entering a parking position (09) Turning right (10) Turning left (11) Making a U-turn (12) Backing up (other than for parking position) (13) Negotiating a curve (14) Changing lanes (15) Merging (16) Successful avoidance maneuver to a previous critical event (97) Other (specify):
60. Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median (9) Unknown	(98) No driver present (99) Unknown

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

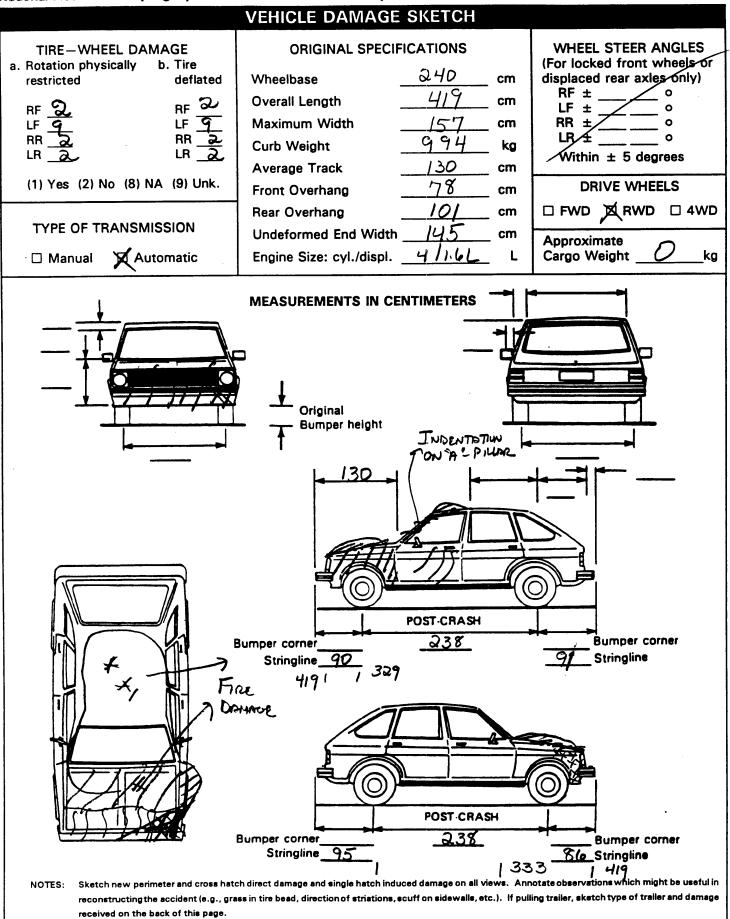
(57) Fence (00) No rollover (58) Wall (01-30) - Vehicle Number (59) Building Noncollision (60) Ditch or culvert (31) Turn-over - fall-over (61) Ground (33) Jackknife (62) Fire hydrant (63) Curb Collision With Fixed Object (64) Bridge (41) Tree (≤ 10 cm in diameter) (68) Other fixed object (specify): (42) Tree (> 10 cm in diameter) (43) Shrubbery or bush (69) Unknown fixed object (44) Embankment Collision with Nonfixed Object (71) Motor vehicle not in-transport (45) Breakaway pole or post (any diameter) (76) Animal Nonbreakaway Pole or Post (77) Train (50) Pole or post (\leq 10 cm in diameter) (78) Trailer, disconnected in transport (51) Pole or post (> 10 cm but \leq 30 cm in (88) Other nonfixed object (specify): diameter) (89) Unknown nonfixed object (52) Pole or post (> 30 cm in diameter) (53) Pole or post (diameter unknown) (98) Other event (specify): (54) Concrete traffic barrier (99) Unknown event or object (55) Impact attenuator

(56) Other traffic barrier (includes guardrail)

(specify):

U.S. Department of Transportation

National Highwa Administration	y Traffic Safety	EX	TERIOR	VEHIC	CLE F	ORM	NAT		CCIDENT S		
	y Sampling Unit Nur Jumber - Stratum	mber	<u>06</u>	3.	Vehicle	Numbe	r				<u>2</u>
2. Case is	dinber Stratem			- DENEW	-10 A TI	ON			-		
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/EHICLE I	DENTI	-ICATI	UN					
VIN 9	99999	99	999		Stranding to strang			-	Model Y	ear 8	4
Vehicle Ma	ke (specify): <u>Ch</u> を	TEN COT 12			Vehicle	Model (s	pecify):	<u></u>	ोट्य ट्या ह	(,,,,,,	
				CATO							
	end of the damage maged axle for side		t to the veh	nicle long	jitudinal	center l	line or b	umper	corner fo	or end in	npacts
Specific Ir	npact No.	Location	of Direct Da	amage			Lo	cation	of Field I	<u> </u>	
		अभिम्मा	Bec U	FT First.		SAME					
	ζουετι		BUMPUR	c Core.							
	Fire	/									
		CRU	SH PROFI	LE IN C	CENTIN	METER!	S				
s	dentify the plane at ill, etc.) and label ad	djustments	(e.g., free s	pace).					bumpei	r, at sill	, above
N	Measure and docum	ent on the v	ehicle diag	ram the	location	of maxi	imum cr	ush.			
	Measure C1 to C6 fr	om driver to	o passengei	r side in	front or	rear im	pacts ar	nd rear	to front i	n side	
l \ t	ree space value is on the individual C location ide taper, etc. Rec	tions. This	may include	e the fol	lowing:	bumper	lead, bu	umper t	body cor aper, sic	ntour ta le protr	ken at usion,
	Jse as many lines/co	Direct D		describ	e each	Jamaye	prome.				1
Specific Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C _e	±D
	Front	30	9 48	138	48	96	19.5	18	17.5	16	
	BUMPER								<u> </u>		
								_	 	-	
	Free strue		8		3	6	3	3	4	8	
				<u></u>							
				1.55	110			11	11.0	9	957.
1 Final	MEGAREMENTS	30	40	158	40	20	16.5	16	11.5	8	P3/



Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	94.3	inches	x	2.54	=	cı	m
Overall Length	164.9	inches	x	2.54	=	cı	m
Maximum Width	<u>61.8</u>	inches	x	2.54	=	cı	m
Curb Weight	2,191	pounds	X	.4536	=	, k	g
Average Track	<u> 51.2</u>	inches	x	2.54	=	cı	m
Front Overhang	<u> 30.7</u>	inches	x	2.54	=	cı	m
Rear Overhang		inches	x	2.54	=	cı	m
Undeformed End Width		inches	X	2.54	=	cı	m
Engine Size: cyl./displ.		сс	X	.001	=	1.6	L
		CID	X	.0164	=		L

CDC (NORKSHEET				
CODES FOR	OBJECT CONTA	ACTED			
(01-30) — Vehicle Number		Fence Wall		·	
Noncollision		Building	_		
(31) Overturn – rollover		Ditch or o	culvert		
(32) Fire or explosion		Ground			
(33) Jackknife		Fire hydra	ant		
(34) Other intraunit damage (specify):		Curb Bridge			
(OF) Non-alliain inium			ed object (s	necify).	
(35) Noncollision injury (38) Other noncollision (specify):	(00)	Other lix	eu object (s	pcony,.	
(36) Other noncomsion (specify).	(69)	Unknown	fixed object	ct	
(39) Noncollision — details unknown		•			
(00) Honomore Comme Comme	Collisio	n with No	nfixed Obje	ct	
Collision With Fixed Object	(71)	Motor ve	hicle not in-	-transport	
(41) Tree (≤ 10 cm in diameter)		Pedestria			
(42) Tree (> 10 cm in diameter)		Cyclist of			
(43) Shrubbery or bush	(74)	Other no	nmotorist o	r conveyanc	е
(44) Embankment	(7F)	Valiata a			
(4E) B. I		Vehicle of Animal	ccupant		
(45) Breakaway pole or post (any diameter)		Train			
Nonbrookoway Polo or Post	(77)	Trailer d	isconnected	d in transpor	t
Nonbreakaway Pole or Post (50) Pole or post (≤ 10 cm in diameter)	(88)	Other no	nfixed obied	ct (specify):	•
(51) Pole or post (> 10 cm but ≤ 30 cm in	(00)	O ti	.,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
diameter)	(89)	Unknow	n nonfixed o	object	
(52) Pole or post (> 30 cm in diameter)					
(53) Pole or post (diameter unknown)	(98)	Other ev	ent (specify	<i>י</i>):	
					
(54) Concrete traffic barrier	(99)	Unknow	n event or c	object	
(55) Impact attenuator					
(56) Other traffic barrier (includes guardrail)					
(specify): <u>u)- Beam</u>					
DEFORMATION CLAS	SIFICATION BY	EVENT N	UMBER		
		(4)	(5)	e.	
Accident (1) (2)		Specific	Specific	(6)	
Event Direction Incremental		ongitudinal.	Vertical or	Type of	(7) Deformation
Sequence Object of Force Value of Number Contacted (degrees) Shift		or Lateral Location	Lateral Location	Damage Distribution	Extent
Number Contacted (degrees) Shift	- -	Location			
01 01 - 10 00	F	L	E	E	06
	• —				
					
02 56 + 35 00	<u>_R</u>	F	E	$\frac{\mathcal{N}}{\mathcal{N}}$	<u>೦ ಶ</u>

HICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

. Department of Fransportation	
ional Highway Traffic Safety ninistration	INTERIOR VE
Primary Sampling Unit Number	
2. Case Number - Stratum	058A
3. Vehicle Number	<u>02</u>
INTEGRITY	
4. Passenger Compartment Integr (00) No integrity loss	rity <u>99</u>
Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof (05) Roof glass (06) Side window (07) Rear window (backlight) (08) Roof and roof glass	
(09) Windshield and door (side)	

Door, Tailgate or Hatch Opening 5. LF 3 6. RF 1 7. LR 1 8. RR 3 9. TG/H

(11) Side and rear window (side window and backlight)

(O) No door/gate/hatch

(10) Windshield and roof

(13) Door and side window

(99) Unknown

(12) Windshield and side window

(98) Other combination of above (specify):

- (1) Door/gate/hatch remained closed and operational
- (2) Door/gate/hatch came open during collision
- (3) Door/gate/hatch jammed shut
- (8) Other (specify):
- (9) Unknown

Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø 10. LFO 11. RF O 12. LR O 13. RRO 14. TG/H

(O) No door/gate/hatch or door not opened

Door, Tailgate or Hatch Came Open During Collision

- (1) Door operational (no damage)
- (2) Latch/striker failure due to damage
- (3) Hinge failure due to damage
- (4) Door structure failure due to damage
- (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
- (6) Latch/striker and hinge failure due to damage
- (8) Other failure (specify):
- (9) Unknown

GLAZING

Glazing Damage from Impact Forces 15. WS 9 16. LF 9 17. RF 18. LR 9 19. RF 20. BL 9 21. Roof 22. Other 9

- (0) No glazing damage from impact forces
- (2) Glazing in place and cracked from impact forces
- (3) Glazing in place and holed from impact forces
- (4) Glazing out-of-place (cracked or not) and not holed from impact forces
- (5) Glazing out-of-place and holed from impact forces
- (6) Glazing disintegrated from impact forces
- (7) Glazing removed prior to accident
- (8) No glazing
- (9) Unknown if damaged

Glazing Damage from Occupant Contact 23. WS 7 24. LF 25. RF 26. LR 27. RR 28. BL 9 29. Roof O 30. Other 9

- (0) No occupant contact to glazing or no glazing
- (1) Glazing contacted by occupant but no glazing damage
- (2) Glazing in place and cracked by occupant contact
- (3) Glazing in place and holed by occupant contact
- (4) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
- (5) Glazing out-of-place by occupant contact and holed by occupant contact
- (6) Glazing disintegrated by occupant contact
- (9) Unknown if contacted by occupant

If No Glazing Damage And No Occupant Contact or No Glazing, Then Code IV31 Through IV46 As Ø

Type of Window/Windshield Glazing

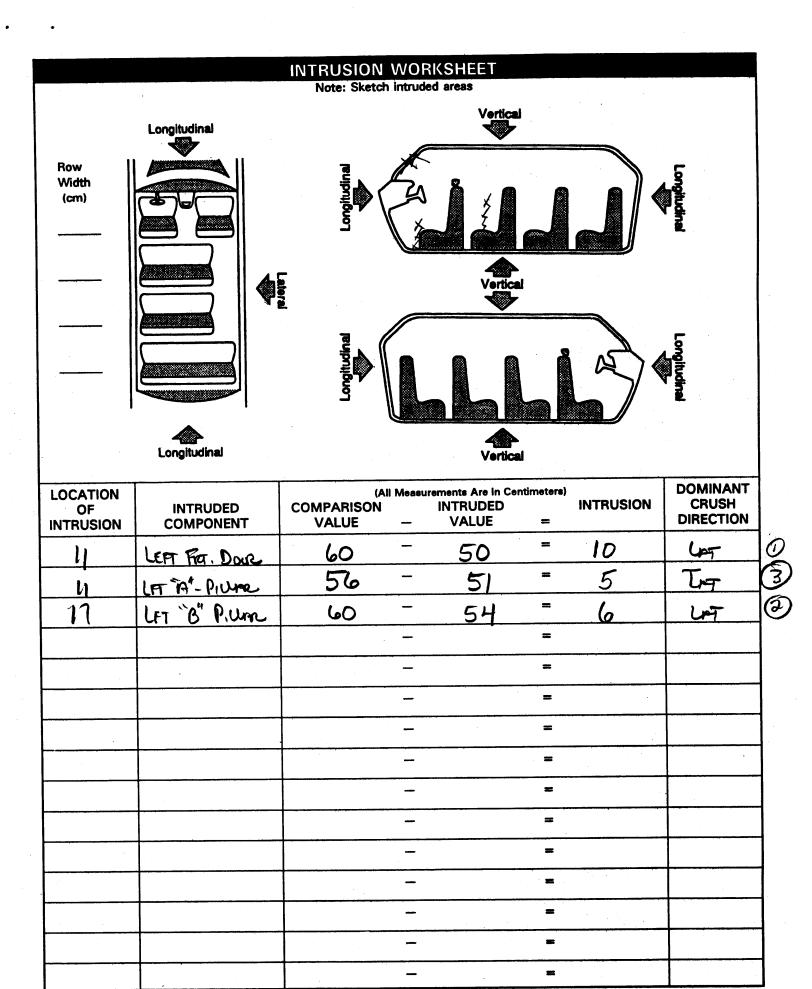
31. WS 9 32. LF 9 33. RF 9 34. LR 9 35. RR 9 36. BL 9 37. Roof O 38. Other 9

- (0) No glazing contact and no damage, or no glazing
- (1) AS-1 Laminated
- (2) AS-2 Tempered
- (3) AS-3 Tempered-tinted
- (4) AS-14 Glass/Plastic
- (8) Other (specify):
- (9) Unknown

Window Precrash Glazing Status

39. WS 9 40. LF 9 41. RF 9 42. LR 9 43. RR 44. BL 9 45. Roof 0 46. Other 9

- (O) No glazing contact and no damage, or no glazing
- (1) Fixed
- (2) Closed
- (3) Partially opened
- (4) Fully opened
- (9) Unknown



		OCCU	PANT AR	REA-INTRUSION+
Note: If no int	rusions, leave vari	ables IV47-IV	86 blank.	INTRUDING COMPONENT
Locatio Intrus		Magnitude of Intrusion	Dominant Crush Direction	Interior Components (01) Steering assembly (02) Instrument panel left
1st 47.	480	_ 492	50. <u>3</u>	(03) Instrument panel center (04) Instrument panel right (05) Toe pan (06) A (A1/A2)-pillar
2nd 51	52. 0	53	54. <u>3</u>	(07) B-pillar (08) C-pillar (09) D-pillar (10) Door panel (side) (12) Roof (or convertible top)
3rd 55. <u> </u>	56. <u></u>	0 57.	_{58.} <u>3</u>	(12) Roof (of convertible top) (13) Roof side rail (14) Windshield (15) Windshield header (16) Window frame
4th 59	60	61	62	(17) Floor pan (includes sill) (18) Backlight header (19) Front seat back (20) Second seat back
5th 63	64	65	66	(21) Third seat back (22) Fourth seat back (23) Fifth seat back (24) Seat cushion
6th 67	68	69	70	(25) Back door/panel (e.g., tailgate) (26) Other interior component (specify):
_ 7th 71	72	73	74	(27) Side panel - forward of the A (A2)-pillar (28) Side panel - rear of the A (A2)-pillar Exterior Components
8th 75	76	77	78	(30) Hood (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment
9th 79	80	81	82	(specify): (33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s)
10th 83	84	85	86	(specify): (99) Unknown
Front Seat (11) Lef (12) Mic (13) Rig Second Se (21) Lef	Fourt t (41 idle (42 ht (43 at (97 t (98	h Seat) Left !) Middle i) Right !) Catastropl i) Other enci	osed	MAGNITUDE OF INTRUSION (1) ≥ 3 centimeters but < 8 centimeters (2) ≥ 8 centimeters but < 15 centimeters (3) ≥ 15 centimeters but < 30 centimeters (4) ≥ 30 centimeters but < 46 centimeters (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters (7) Catastrophic (9) Unknown
(22) Mic (23) Rig Third Seat (31) Lef (32) Mic (33) Rig	ht (99 t idle	Unknown		DOMINANT CRUSH DIRECTION (1) Vertical (2) Longitudinal (3) Lateral (7) Catastrophic (9) Unknown

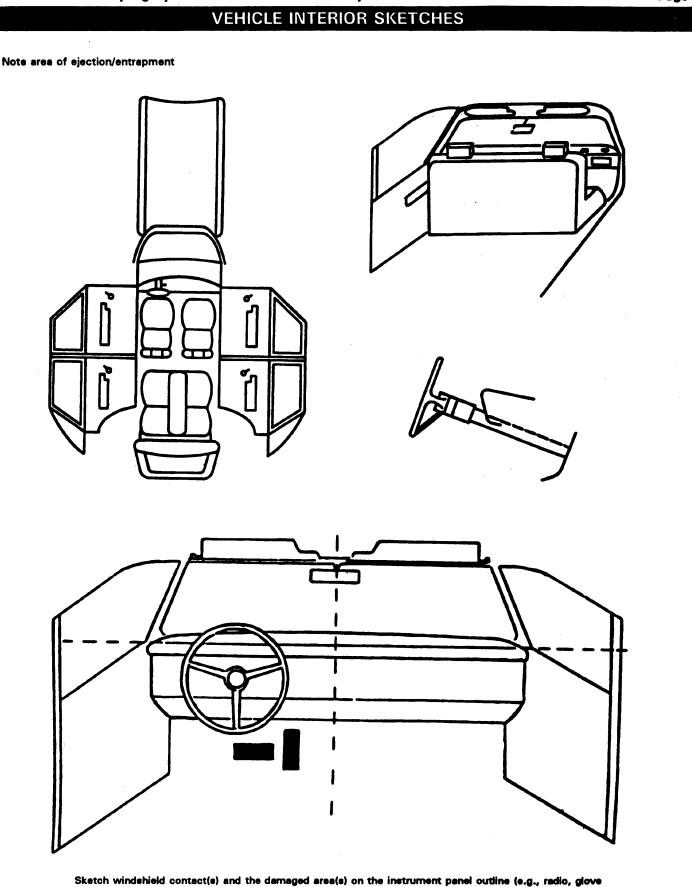
	(A)	Measurements Are in Centimet	ters)	
COMPARISON VALUE	_	DAMAGE VALUE	=	DEFORMATION
			=	
			=	
	_		=	
			=	
		·		
		•		

tauo	na Accident Sampling System-Clashword in the		
	STEERING COLUMN	9	93. Location of Steering Rim/Spoke Deformation
87.	Steering Column Type (1) Fixed column (2) Tilt column (3) Telescoping column (4) Tilt and telescoping column (8) Other column type (specify):	4	(00) No steering rim deformation Quarter Sections (01) Section A (02) Section B (03) Section C
	(9) Unknown		(04) Section D Half Sections
			(05) Upper half of rim/spoke (06) Lower half of rim/spoke (07) Left half of rim/spoke (08) Right half of rim/spoke
88.	Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	X	(09) Complete steering wheel collapse (10) Undetermined location (99) Unknown
			INSTRUMENT PANEL
89.	Blank X X (This variable is left blank	X	94. Odometer Reading
-	so that numbering consistency can be maintained with the 1988-93 CDS.		nearest 1,000 kilometers (000) No odometer (001) Less than 1,500 kilometers (500) 499,500 kilometers or more (999) Unknown
90.	Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.	<u>x</u>	Source: kilometers
91.	Blank (This variable is left blank so that numbering consistency can be maintained with the 1988-93 CDS.		95. Instrument Panel Damage from Occupant Contact? (0) No (1) Yes (9) Unknown
92.	Steering Rim/Spoke Deformation Code actual measured deformation to the nearest centimeter (00) No steering rim deformation (01-14) Actual measured value in centimeters	$\frac{O}{C}$	96. Knee Bolsters Deformed from Occupant Contact? (0) No (1) Yes (8) Not present (9) Unknown
	(15) 15 centimeters or more (98) Observed deformation cannot be measur (99) Unknown	19	97. Did Glove Compartment Door Open During Collision(s)? (0) No (1) Yes (8) Not present (9) Unknown

compartment, damage to instrument panel structure.

Cross hatch contact points, draw spider webs or use other annotation as may be appropriate.

Annotate the contacted area with a letter (begin with A) and list on the Points of Occupent Contact page.



		POII	IIS	OF OC	CUPANT CONTA	CI		
C	Interior Component	Occupant No. If	F	Body legion If	0			Confidence Level of Contact
Contact	Contacted	Known	<u> </u>	nown	Supporting Pt	iysicai t	vidence	Point
<u> </u>			-					
В								
С								
D								
E								
F		İ	+					
G			 					
Н			 					
			+			 		
· · ·			+					
J			—					
K			<u> </u>			·····		
L		<u> </u>						
М								
N								
(01) Wir (02) Mir	ror		(24)		pillar (specify):	(47)		cts
(02) Mir (03) Sur	ror nvisor		(24)	Other left Left side v	pillar (specify): window glass or frame		Interior loose obje	cts
(01) Wir (02) Mir (03) Sur (04) Ste	ror	ke	(24)	Left side vone or mo	pillar (specify): window glass or frame window glass including are of the following:	(47) (48)	Interior loose obje	cts (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste	ror wisor ering wheel rim ering wheel hub/spol ering wheel (combine		(24)	Left side vone or mo	pillar (specify): window glass or frame window glass including are of the following: ndow sill, A (A1/A2)-pillar,	(47) (48)	Interior loose objectild safety seat (cts (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transm	ation nission	(24)	Left side vone or mo frame, will B-piller, or	pillar (specify): window glass or frame window glass including are of the following:	(47) (48) (49)	Interior loose obje Child safety seat (Other interior obje	cts (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transm ector lever, other atte	ation nission achment	(24) (25) (26) (27)	Left side vone or mo frame, will B-pillar, or Other left	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify):	(47) (48) (49) ROOF (50)	Interior loose objectild safety seat (Other interior objections) Front header	cts (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste of ((07) Ste seld (08) Add	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transn ector lever, other atte d on equipment (é.g., ek, air conditioner)	ation nission achment , CB, tape	(24) (25) (26) (27) (28)	Other left Left side v one or mo frame, wii B-pillar, or Other left Left side v	pillar (specify): window glass or frame window glass including are of the following: ndow sill, A (A1/A2)-pillar, r roof side rail.	(47) (48) (49) ROOF (50) (51) (52)	Interior loose objectild safety seat (Other interior objection Front header Rear header Roof left side rail	cts (specify): ct (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add dec (09) Left	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transm ector lever, other atta d on equipment (é.g., ek, air conditioner) t instrument panel ar	ation nission achment , CB, tape nd below	(24) (25) (26) (27) (28)	Left side v Left side v one or mo frame, win B-pillar, or Other left Left side v	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill	(47) (48) (49) ROOF (50) (51) (52) (53)	Interior loose objectild safety seat (Other interior objective front header Rear header Roof left side rail Roof right side rail	cts (specify): ct (specify):
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(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add dec (09) Left (10) Cer (11) Rigi (12) Gio	ror nvisor lering wheel rim lering wheel hub/spol lering wheel (combine codes 04 and 05) lering column, transm lector lever, other atta d on equipment (é.g., lik, air conditioner) t instrument panel ar nter instrument panel a ve compartment doo	ation nission achment , CB, tape nd below I and below and below	(24) (25) (26) (27) (28) RIGHT: (30)	Other left Left side v one or mo frame, wi B-pillar, or Other left Left side v SIDE Right side excluding Right side	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest	(47) (48) (49) ROOF (50) (51) (52) (53) (54)	Interior loose objectild safety seat (Other interior objective front header Rear header Roof left side rail Roof right side rail Roof or convertible	cts (specify): ct (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste of ((07) Ste seld (08) Add (09) Lef (10) Cer (11) Rig (12) Glo (13) Kne (14) Wir	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transmetor lever, other atta d on equipment (e.g., ek, air conditioner) t instrument panel ar hter instrument panel ar ve compartment doo se bolster ndshield including on	ation nission achment , CB, tape nd below I and below and below or	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32) (33)	Other left Left side v one or mo frame, wii B-pillar, or Other left Left side v SIDE Right side excluding Right side Right A (A Right B-pil	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest A1/A2)-pillar	(47) (48) (49) ROOF (50) (51) (52) (53) (54)	Interior loose objectild safety seat (Other interior objective interi	ets (specify): ct (specify): e top e pan) nounted
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add ded (09) Left (10) Cer (11) Rig (12) Gio (13) Kne (14) Wir of t	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transmetor lever, other attract d on equipment (é.g., ek, air conditioner) htt instrument panel ar nter instrument panel ar ve compartment doo be bolster ndshield including on the following: front h	ation nission achment , CB, tape nd below I and below and below or e or more neader,	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32)	Other left Left side v one or mo frame, wii B-pillar, or Other left Left side v SIDE Right side excluding Right side Right A (A Right B-pil	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56)	Interior loose objectild safety seat (Other interior objective interi	ets (specify): ct (specify): e top e pan) nounted
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add deo (09) Left (10) Cer (11) Rig (12) Gio (13) Kne (14) Wir of t	ror nvisor lering wheel rim lering wheel hub/spol lering wheel (combinations) lering column, transmetor lever, other attraction of the conditioner) let instrument panel are instrument panel at instrument panel at the instrument panel at the compartment doors bolster let indshield including on the following: front h A1/A2)-pillar, instrumer, or steering asser	ation nission achment , CB, tape nd below I and below and below or e or more neader, nent panel,	(24) (25) (26) (27) (28) RIGHT (30) (31) (32) (33) (34) (35)	Other left Left side vone or mo frame, win B-pillar, or Other left Left side vone can be side volumed by the side voluding Right side Right A (A Right B-pillother right	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armreste hardware or armrest A1/A2)-pillar llar at pillar (specify): window glass or frame	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Front header Rear header Roof left side rail Roof right side rail Roof or convertible safety seat (Floor (including to Floor or console reasons seat (Floor safety safety safety seat (Floor or console reasons safety saf	ets (specify): ct (specify): e top e pan) hounted hickning
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(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste sele (08) Added (09) Left (10) Cer (11) Rigi (12) Gio (13) Kne (14) Wir of t A (Amir side (15) Wir (16) Driv (16) Driv (16) Driv (16)	ror nvisor lering wheel rim lering wheel hub/spol lering wheel (combine codes 04 and 05) lering column, transmetor lever, other atte d on equipment (e.g., let, air conditioner) t instrument panel ar leter instrument panel ar leter instrument panel ar leter instrument doo leter bolster leter following: front h A1/A2)-pillar, instrum ror, or steering asser leter following: front h A1/A2)-pillar, instrum ror (passenger side over side air bag comp	ation nission schment , CB, tape nd below I and below and below or e or more neader, nent panel, mbly (driver neader, nent panel, or only)	(24) (25) (26) (27) (28) (30) (31) (32) (33) (34) (35) (36)	Other left Left side vone or moframe, win B-piller, or Other left Left side vone or moframe, win B-piller, or Other left Left side vone or moframe, win B-piller, or of the right side one or moframe, win B-piller, or Other righ	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest A1/A2)-pillar llar or pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. at side object (specify):	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Child safety	ets (specify): ct (specify): e top e pan) nounted , including dile iding parking ndow) rack, door, etc.
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(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add (09) Leff (10) Cer (11) Rig (12) Glo (13) Kne (14) Wir of t A (14) Mir (16) Driv (17) Pas con (18) Wir (18)	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transmetor lever, other atte don equipment (e.g., ek, air conditioner) t instrument panel ar instrument panel ar instrument panel ave compartment doo be bolster indehield including one the following: front h A1/A2)-pillar, instrum ror, or steering asser e only) indehield including one the following: front h A1/A2)-pillar, instrum ror (passenger side or ever side air bag comp erer esenger side air bag inpartment cover indehield reinforced by	ation nission achment , CB, tape nd below i and below and below or e or more neader, nent panel, mbly (driver header, nent panel, or only) cartment	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32) (33) (34) (35) (36) (37) (38) NTERIC	Other left Left side vone or mo frame, win B-pillar, or Other left Left side vone Right side excluding Right side Right A (A Right B-pil Other righ Right side one or mo frame, win B pillar, or Other righ Right side	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest A1/A2)-pillar llar ot pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. ot side object (specify): window sill	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Child safety	ets (specify): ct (specify): e top e pan) nounted , including dile iding parking ndow) rack, door, etc.
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add (09) Left (10) Cer (11) Rig (12) Glo (13) Kne (14) Wir of t A (14) Mir (16) Critical (16) Critical (17) Pas con (18) Wir obje	ror nvisor lering wheel rim lering wheel hub/spol lering wheel (combine codes 04 and 05) lering column, transm lector lever, other atte d on equipment (e.g., let, air conditioner) t instrument panel ar liter instrument panel ar liter instrument panel ar let instrument panel let ins	ation nission achment , CB, tape nd below I and below and below or e or more neader, nent panel, mbly (driver beader, nent panel, or or or or y exterior	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32) (33) (34) (35) (36) (37) (38) NTERIG (40) (41)	Other left Left side vone or mo frame, win B-pillar, or Other left Left side vone Right side excluding Right side Other righ Right side	pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armrests hardware or armrest A1/A2)-pillar llar of pillar (specify): window glass or frame window glass including ore of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. at side object (specify): window sill k support sint webbing/buckle sint B-pillar	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Rear header Rear header Roof left side rail Roof right side rail Roof or convertible floor or console retransmission lever console Parking brake han Foot controls inclubrake Backlight (rear wir Backlight storage Other rear object (CONFIDENCE LE	ets (specify): ct (specify): ct (specify): e top e pan) nounted , including dile iding parking adow) rack, door, etc. (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste seld (08) Add (09) Left (10) Cer (11) Rig (12) Glo (13) Kne (14) Wir of t A (14) Mir (16) Critical (16) Critical (17) Pas con (18) Wir obje	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transmetor lever, other atte d on equipment (e.g., et, air conditioner) t instrument panel ar inter instrument panel ar inter instrument panel ar ecompartment doo be bolster indshield including one the following: front h A1/A2)-pillar, instrum ror, or steering asser is only) indshield including one the following: front h A1/A2)-pillar, instrum ror (passenger side of over side air bag comp rer issenger side air bag inpartment cover indshield reinforced by ect (specify):	ation nission achment , CB, tape nd below I and below and below or e or more neader, nent panel, mbly (driver beader, nent panel, or or or or y exterior	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32) (33) (34) (35) (36) (37) (38) NTERIC (40) (41) (42)	Other left Left side vone or mo frame, win B-pillar, or Other left Left side vone or mo frame, win B-pillar, or Other left Left side vone or mo frame, win B-pillar, or Other righ Right side vone or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other righ Right side one or mo frame, win B-pillar, or Other right side one or mo frame, win B-pillar,	pillar (specify): window glass or frame window glass including pre of the following: Indow sill, A (A1/A2)-pillar, Ir roof side rail. Interior surface, Indow sill interior surface, Ind	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Front header Rear header Roof left side rail Roof right side rail Roof or convertible floor or console retransmission lever console Parking brake han Foot controls inclubrake Backlight (rear wir Backlight storage Other rear object (ets (specify): ct (specify):
(01) Wir (02) Mir (03) Sur (04) Ste (05) Ste (06) Ste (07) Ste (08) Add (09) Left (10) Cer (11) Rig (12) Gio (13) Kne (14) Wir of 1 A (,, mir eide (15) Wir (16) Driv (17) Pas (18) Wir obje (19) Oth	ror nvisor ering wheel rim ering wheel hub/spol ering wheel (combine codes 04 and 05) ering column, transmetor lever, other atte d on equipment (e.g., et, air conditioner) t instrument panel ar inter instrument panel ar inter instrument panel ar ecompartment doo be bolster indshield including one the following: front h A1/A2)-pillar, instrum ror, or steering asser is only) indshield including one the following: front h A1/A2)-pillar, instrum ror (passenger side of over side air bag comp rer issenger side air bag inpartment cover indshield reinforced by ect (specify):	ation nission schment , CB, tape nd below I and below or e or more neader, nent panel, mely (driver nent panel, or niy) partment	(24) (25) (26) (27) (28) RIGHT: (30) (31) (32) (33) (34) (35) (36) (37) (38) NTERIC (40) (41) (42)	Other left Left side value one or mo frame, win B-pillar, or Other left Left side value one or mo frame, win B-pillar, or Other left Left side value one or mo frame, win B pillar, or Other righ Right side one or mo frame, win B pillar, or Other righ Right side one or mo frame, win B pillar, or Other righ CR Seat, back Belt restra attachmer Other restra attachmer Other restra attachmer Other restra (specify):	window glass or frame window glass including pre of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. side object (specify): window sill interior surface, hardware or armreste hardware or armreste hardware or armreste hardware including pre of the following: ndow sill, A (A1/A2)-pillar, r roof side rail. It side object (specify): window sill, A (A1/A2)-pillar, r roof side rail. It side object (specify): window sill k support sint webbing/buckle sint B-pillar rat point traint system component	(47) (48) (49) ROOF (50) (51) (52) (53) (54) FLOOR (56) (57)	Interior loose objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Other interior objectild safety seat (Rear header Rear header Roof left side rail Roof right side rail Roof or convertible floor or console rear transmission lever console Parking brake han Foot controls inclubrake Backlight (rear wir Backlight storage Other rear object (CONFIDENCE LE	ets (specify): ct (specify):

for injuries sustained from air bag

compartment covers)

(9) Unknown

(21) Left side hardware or armrest

(22) Left A (A1/A2)-piller

AUTOMATIC RESTRAINTS NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form. **AIR BAGS** Left Right Availability/Function R Deployment **Failure** Air Bag System Availability/Function Air Bag System Deployment Did Air Bag System Fall? (0) Not equipped/not available (0) Not equipped/not available (O) Not equipped/not available (1) Air bag (1) Air bag deployed during accident (1) No (as a result of impact) (2) Yes (specify): Non-functional (2) Air bag deployed inadvertently just (2) Air bag disconnected (specify): prior to accident (9) Unknown (3) Air bag deployed, accident sequence (3) Air bag not reinstalled undetermined (9) Unknown (4) Nondeployed (5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown **AUTOMATIC BELTS** Left Right Availability/Function F Use R Type S **Proper Use** Failure Modes Automatic (Passiva) Belt System Proper Use of Automatic (Passive) Belt Autometic (Passive) Belt Feiture Modes **Availability/Function** System **During Accident** (0) Not equipped/not available (0) Not equipped/not available/not used (0) Not equipped/not available/not in use (1) 2 point automatic belts (1) Automatic belt used properly (1) No automatic belt failure(s) (2) 3 point automatic belts (2) Automatic belt used properly with (2) Torn webbing (stretched webbing not (3) Automatic belts - type unknown child safety seat included) (3) Broken buckle or latchplate Non-functional Automatic Belt Used Improperly (4) Upper anchorage separated (4) Automatic belts destroyed or (3) Automatic shoulder belt worn under (5) Other anchorage separated (specify): rendered inoperative (9) Unknown (4) Automatic shoulder belt worn behind (6) Broken retractor back (7) Combination of above (specify): Automatic (Passive) Belt System Use (5) Automatic belt worn around more (8) Other automatic belt failure (specify): (0) Not equipped/not available/destroyed than one person or rendered inoperative (6) Lap portion of automatic belt worn (9) Unknown (1) Automatic belt in use on abdomen (2) Automatic belt not in use (manually (7) Automatic lap and shoulder belt or disconnected, motorized track automatic shoulder belt used inoperative) improperty (3) Automatic belt use unknown with child safety seat (specify): (9) Unknown (8) Other improper use of automatic belt Automatic (Passiva) Belt System Type system (O) Not equipped/not available (specify): (1) Non-motorized system (9) Unknown (2) Motorized system . (9) Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Ocupant Assessment Form.

If a Child safety seat is present, encode the data on the back of this page.

If the vehicle has automatic restraints available, encode the appropriate data on the back of the previous

	page.		TICE UIMOL	·
		Left	Center	Right
F	Availability	9	٥	9
R	Use	99		99
S T	Failure Modes	9		G
S	Availability	9	9	9
SECOZO	Use	q	9	9
Ň D	Failure Modes	9	9	9
T	Availability	<u> </u>		,
ı	Use			
R D	Failure Modes			
Q	Availability			
Ä	Use			
E R	Failure Modes			

N	أعددها	IA.	-tive\	Ralt	System	Avs	ilehilite

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown

- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety seat
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

When a child safety seat is p the occupant's number usin		ant's numb	er in the fi	rst row and c		
Oppupant Number						T
Occupant Number 1. Type of Child Safety Seat						
2. Child Safety Seat Orientation			$\overline{}$			
3. Child Safety Seat Harness Usage						
4. Child Safety Seat Shield Uasge						
5. Child Safety Seat Tether Usage						
6. Child Safety Seat Make/Model		Specify B	elow for E	ach Child Sa	fety Seat	,
1. Type of Child Safety Se	eat	3.	Child Saf	ety Seat Har	mess Usage	
 (0) No child safety sea (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safe 			Child Saf Note: Op	ety Seat Shi ety Seat Tet tions Below child safety	her Usage Are Used for \	/ariables 3-5.
(8) Unknown child safe (9) Unknown if child sa 2. Child Safety Seat Orien	afety seat used		(01) Aft	er market ha led, not used	arness/Shield/I rness/shield/te I rness/shield/te	ther
(00) No child safety se Designed for Rear Facir This Age/Weight (01) Rear facing	eat		hari (09) Unk	ness/shield/t	nt used, but no ether added ness/shield/tetl	
(02) Forward facing (08) Other orientation (09) Unknown orientat			(11) Har (12) Har	ness/shield/t ness/shield/t	ss/Shield/Tetho ether not used ether used ness/shield/tetl	1
Designed for Forward F Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation	(specify):		Unknowr (21) Har (22) Har (29) Uni	n If Designed ness/shield/t ness/shield/t known if han	With Harness ether not used	/Shield/Tethe I her used
(19) Unknown orientat Unknown Design or Ori Age/Weight, or Unknov (21) Rear facing (22) Forward facing (28) Other orientation	entation For This vn Age/Weight	6.		ety Seat Ma make/model	ke/Model and occupant	number)
(29) Unknown orientat						
(99) Unknown if child			1			

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found at the bottom of the page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
F	Head Restraint Type/Damage	9	O	9
R S T	Seat Type	oi	00	01
	Seat Performance	9	9	9
T	Seat Orientation			
S	Head Restraint Type/Damage	0	9	0
S E C	Seat Type	05	05	05
O N	Seat Performance	9	9	9
Ď	Seat Orientation	1		
T	Head Restraint Type/Damage			
<u> </u>	Seat Type			
Ŕ	Seat Performance			
D	Seat Orientation			
0	Head Restraint Type/Damage			
Ť	Seat Type			
E	Seat Performance			
R	Seat Orientation	a .		

Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral no damage
 (2) Integral damaged during accident
- (3) Adjustable no damage
- (4) Adjustable damaged during accident
- (5) Add-on no damage(6) Add-on damaged during accident
- (8) Other Specify):
- (9) Unknown

Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01)**Bucket**
- Bucket with folding back (02)
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Other seat type (specify):
- (10) Box mounted seat (i.e., van type)
- (99) Unknown

Seat Performance (this Occupant Position)

- (0). Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed specify:
- (4) Seat tracks/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion (specify):
- (7) Combination of above (specify):
- (8) Other (specify):
- (9) Unknown

Seat Orientation (this Occupant Position)

- (0) Occupant not seated or no seat
- (1) Forward facing seat
- (2) Rear facing seat
- (3) Side facing seat (inward)
- (4) Side facing seat (outward)
- (8) Other (specify):
- (9) Unknown

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

	EJECTION/ENTRAPMENT D	ATA
	cher has any indication that an occup e data on the Occpant Assessment	ant was either ejected from or entrapped Form.
EJECTION No [Yes [Describe indications of ejection and] I body parts involved in partial ejecti	on(s):
Occupant Number		
Ejection		
(Note on Vehicle Interior Sketch) Ejection Area		
Ejection Medium		
Medium Status		
Ejection (1) Complete ejection (1) Partial ejection (3) Ejection, Unknown degree (9) Unknown	(7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	(5) Integral structure (8) Other medium (specify): (9) Unknown
Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify):	to impact) (1) Open (2) Closed (3) Integral structure (9) Unknown
ENTRAPMENT No [] Yes Describe entrapment mechanism:	• •	
Component(s):		
(Note in vehicle interior diagram)		

	RESTRAINT SYST	EM EVALUATION
17.	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt	21. Air Bag System Availability/Function (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify):
	 (5) Belt available—type unknown Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) (7) Lap belt (shoulder belt destroyed/removed) 	(3) Air bag not reinstalled (9) Unknown
18.	(8) Other belt (specify): (9) Unknown Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):	22. Air Bag System Deployment (O) Not equipped/not available (1) Air bag deployed during accident (as a result of impact) (2) Air bag deployed inadvertently just prior to accident (3) Air bag deployed, accident sequence undetermined (4) Nondeployed
	(02) Shoulder belt (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify):	(5) Unknown if deployed (6) Air bag deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (9) Unknown
	 (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat (specify): (99) Unknown if belt used 	23. Are There Indications of Air Bag System Failure? (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown
19.	Proper Use of Manual (Active) Belts (O) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	Note: See Variables 44 through 48 (Page 5) for Information on Automatic Belts
	Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):	24. Police Reported Restraint Use (0) None used (1) Police did not indicate restraint use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified
	(8) Other improper use of manual belt system (specify):(9) Unknown	(6) Child safety seat (7) Other or automatic restraint (specify):
20.	Manual (Active) Belt Failure Modes During Accident (0) No manual belt used (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify):	(8) Restrained, type unknown (9) Police indicated "unknown"
	(8) Other manual belt failure (specify): (9) Unknown	

U.S. Department of Transportation

National Highway Traffic Safety
Administration

OCCUPANT INJURY FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

<u>06</u> 058A

- 3. Vehicle Number
- 4. Occupant Number

00/

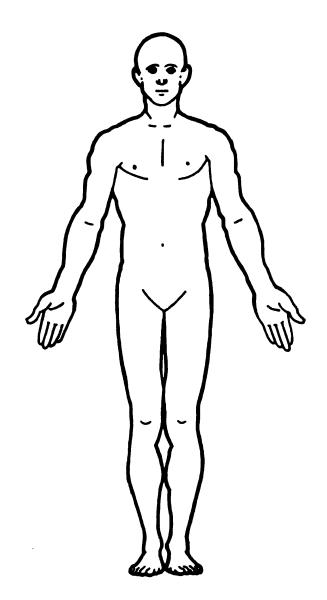
INJURY DATA:

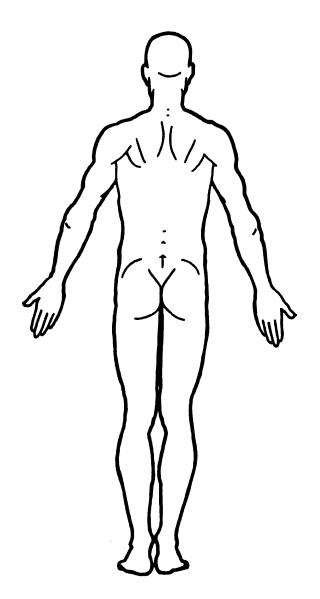
Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

-					0.1.0	A.I.S				Injury		Occupant
		Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Area Intrusion Number
	forto	25.Z	6.2	7. <u>9</u>	8. <u>06</u>	9. <u>00</u>	10	11. 2	12. 0	13. 3	4.]	15. 90
1	2nd 2nd	16. 7	17. 2	18. 9	19. 06	20. <u>OO</u>	21	22. 7	23. <u>0</u> <u>1</u>	243	25	26 <i>0</i> 0
	Place Bloom	^{27.} Z	28. 8	29. 9	30. <u>06</u>	31. <u>Q </u>	32	33	34. <u>97</u>	35. <u> </u> 9	36 7	37. <u>99</u>
5	A of the state of	38. 7	39. 2	40. <u>9</u>	41. <u>06</u>	42. <u>U</u>	43. 1	44.2	45. <u>9</u> 7	46. 9	17. J	48. 99
	5th	49. —	50.4	51. 9	52. <u>06</u>	53. <u>00</u>	54	55.2	56.97	57. 9	58. 7	59.27
	6th	60	61	62	63	64	65	66	67	68	69. <u> </u>	70
	7th	71	72	73	74	75	76	77	78	79	BO	81
	8th	82	83	84	85	86	87	88	89	90	91	92
	9th	93	94	95	96	97	98	99	100	101 10	02 1	оз
	10th	104	105	106 1	07	108	109	110	111	112 1	13 1	14

				OCCI	JPANT I	NJURY	DATA-				
				0.1.CA	\.I.S				Injury	5 :	Occupant Area
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Seventy	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Intrusion Number
11th		***********									
12th				***************************************				*******	******		
13th		***********						******			
14th											
15th								***************************************			
16th					\$48884 44100 0						
17th			********				*******	******			
18th							******		_		
19th			_		******				_		
20th						***************************************				معبيت	
21st					******						
22nd					******						
23rd					*****						
24th				<u></u>	*******						
25th											

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





SOURCE OF INJURY DATA medical records

- (1) Autopsy records with or without hospital/
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify):
- (9) Police

INJURY SOURCE

FRONT

- (01) Windshield
- (02) Mirror
- (03) Sunvisor
- (04) Steering wheel rim
- (05) Steering wheel hub/spoke
- (06) Steering wheel (combination of codes 04 and 05)
- (07) Steering column, transmission selector lever, other attachment
- (08) Add on equipment (e.g., CB, tape deck, air conditioner)
- (09) Left instrument panel and below
- (10) Center instrument panel and below
- (11) Right instrument panel and below
- (12) Glove compartment door
- (13) Knee bolster
- (14) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only)
- (15) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only)
- (16) Driver side air bag compartment cover
- (17) Passenger side air bag compartment cover
- (18) Windshield reinforced by exterior object (specify):
- (19) Other front object (specify):

LEFT SIDE

- (20) Left side interior surface.
- excluding hardware or armrests
- (21) Left side hardware or armrest (22) Left A (A1/A2)-pillar
- (23) Left B-pillar
- (24) Other left pillar (specify):

- (25) Left side window glass or frame
- (26) Left side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (27) Other left side object (specify):
- (28) Left side window sill

- (30) Right side interior surface. excluding hardware or armrests
- (31) Right side hardware or armrest
- (32) Right A (A1/A2)-pillar
- (33) Right B-pillar
- (34) Other right piller (specify):
- (35) Right side window glass or frame
- (36) Right side window glass including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar, or roof side rail.
- (37) Other right side object (specify):
- (38) Right side window sill

INTERIOR

- (40) Seat, back support
- (41) Belt restraint webbing/buckle
- (42) Belt restraint B-pillar or door frame attachment point
- (43) Other restraint system component (specify):
- (44) Head restraint system
- (45) Air bag (use codes "16" and "17" for injuries sustained from air bag compartment covers)
- (46) Other occupants (specify):
- (47) Interior loose objects
- (48) Child safety seat (specify):
- (49) Other interior object (specify):

ROOF

- (50) Front header
- (51) Rear header
- (52) Roof left side rail
- (53) Roof right side rail
- (54) Roof or convertible top

FLOOR

- (56) Floor (including toe pan)
- (57) Floor or console mounted transmission lever, including console
- (58) Parking brake handle
- (59) Foot controls including parking brake

(60) Backlight (rear window)

- (61) Backlight storage rack, door, etc.
- (62) Other rear object (specify):

EXTERIOR of OCCUPANT'S VEHICLE

- (65) Hood
- (66) Outside hardware (e.g., outside mirror, antenna)
- Other exterior surface or tires (specify):
- (68) Unknown exterior objects

EXTERIOR OF OTHER MOTOR VEHICLE

- (70) Front bumper
- (71) Hood edge
- (72) Other front of vehicle (specify):
- (73) Hood
- (74) Hood omament
- Windshield, roof rail, A-pillar (75)
- (76) Side surface
- (77) Side mirrors
- (78) Other side protrusions (specify)
- (79) Rear surface
- (80) Undercarriage
- (81) Tires and wheels
- (82) Other exterior of other motor vehicle (specify):
- (83) Unknown exterior of other motor vehicle

OTHER VEHICLE OR OBJECT IN THE ENVIRONMENT

- (84) Ground
- (85) Other vehicle or object (specify)
- (86) Unknown vehicle or object

NONCONTACT INJURY

- (90) Fire in vehicle
- (91) Flying glass
- (92) Other noncontact injury source (specify):
- (93) Air bag exhaust gases
- (97) Injured, unknown source

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- **Probable** (2)
- Possible (3)
- Unknown

DIRECT/INDIRECT INJURY

- Direct contact injury
- Indirect contact injury (3) Noncontact injury
- Injured, unknown source

OCCUPANT INJURY CLASSIFICATION

Body Region

- (3) Neck Thorax
- (6) Abdomen (8) Spine
- (7) Upper Extremity
- Lower Extremity Unspecified

Type of Anatomic Structure

- Whole Area
- Vessels Nerves
- (4)Organs (includes muscles/
- ligaments) Skeletal (includes joints)
- (8) Head - LOC Skin

- Specific Anatomic Structure
- Whole Area (02) Skin Abrasion (04) Skin Contusion
- Skin Laceration
- (80) Skin - Avulsion (10)Amoutation
- (20) Bum
- (30) Crush
- 140 Degloving
- Injury NFS (50) (90) Trauma, other than mechanical
- Head LOC (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

- Spine (02) Cervical
- (04) Thoracic (06) Lumbar
- Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor injury
- (2) Moderate injury
- Serious injury (3)
- Severe injury (4)Critical injury
- Maximum (untreatable) Injured, unknown severity

Aspect

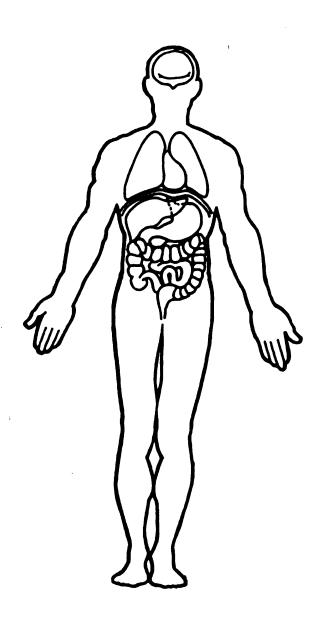
- Right
- Left Bilateral
- Central Anterior
- (6) **Posterior** (7) Superior
- Unknown Whole region

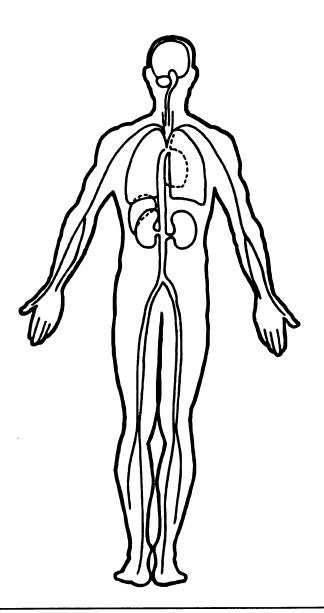
Page

OFFICIAL INJURY DATA — SKELETAL INJURIES Restrained? Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.) _ Yes **Blood Alcohol** Level (mg/dl) BAL = ____ Glasgow Coma Scale Score GCSS = ___ Units of Blood Given Units = ____ **Arterial Blood** Gases HCO₃

OFFICIAL INJURY DATA -INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





CRASHPC PROGRAM SUMMARY

U.S. Department of Transportation

tional Highway Traffic Safety

(All Measurements in Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM

lational Highway Traffic Safety Administration	(All Measurements in Metric)	CRASHWORTHINESS DATA SYSTEM
Identifying Title O O C Case NoStra Sampling Unit	tum Ol Accident Event Sequence No.	Date (Month, day, year) of Run
Vehicle 1 Vehicle 2 Vehicle 2	TSUZU Cheveolet Make	TMPULSE XS Chevette Model NASS Veh. No.
	GENERAL.INFORMATI	ON.
Size Weight $\frac{1200}{\text{Curb}} + \frac{72}{\text{Occupant(s)}} + \frac{0}{\text{Cargo}} = \frac{1}{2}$ CDC PDOF (-180 to +180) Stiffness	Size Weight 7 2 kg 994 + Curb CDC PD0F (-1) Stiffness	VEHICLE 2 $ \frac{2}{2} $ Soccupant(s) $\frac{1}{2}$ $ \frac{1}{2} = \frac{1}{2}$
	SCENE INFORMATION	ON:
Rest and Impact Positions [No. VEHICLE 1 No	m Rest Position m o Impact Position m o	X m Y m Y m Y m Y m PSI m Y m Y m Y m PSI m
Slip Angle(-180 to +180)		le (-180 to +180)
Sustained Contact [] No [] Y VEHICLE 1 Skidding (Rotation)	No [] Yes Skidding Skid	VEHICLE 2 [] No [] Yes ding Stop Before Rest [] No [] Yes of Rotation Y PSI PSI VEHICLE 2 I No [] Yes m m o
Curved Path Point on Path X	_ /	at on Path The Direction [] None [] CW [] CCW
Rotation Direction		n >360° []No []Yes

National Accident Sampling System-Crashworthiness Data System: CRASHPC Program Summary

FRICTION INF	ORMATION	TRAJECTOR	Y INFORMATION	
		Trajectory Data []	No [] Yes	
oefficient of Friction	·	If No. Go To Damage	Information	
olling Resistance Option		Vehicle 1 Steer Angle	S	
A Dallian Donis	******	F	° RF	°
Vehicle 1 Rolling Resis	RF .	LR	° RF	<u> </u>
LF ·	RF ·			
LN ·		Vehicle 2 Steer Angle	s	
Vehicle 2 Rolling Resis	stance	LF	° RF	°
LF .	RF ·	LF LR		°
LR .	RR	·	t at	
		Terrain Boundary [No [] Yes	
		First Point		
		X m	Y	m
		Second Point		
		X	Y	m
			t of Friction	
		Secondary Coemoies		
	DAMAGE: IN	IFORMATION		
	0.51	V	EHICLE 2	
	CLE 1		rehicle 2	, cm
VEHI	L <u>27 O</u> cm	V Damage Length	L 12 8	, cm
	1 27 0 cm	Damage Length	. <u>128</u>) cm
VEHI	L <u>270</u> cm		. <u>128</u>) cm
VEHI Damage Length	L <u>270</u> cm	Damage Length	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 cm
VEHI Damage Length	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Damage Length	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2 cm 2 cm 7 cm
VEHI Damage Length	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Damage Length	c,) cm
VEHI Damage Length	C,	Damage Length	c,	2 cm 2 cm 7 cm 6 cm
VEHI Damage Length	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Damage Length	c,	2 cm 2 cm 7 cm 6 cm
VEHI Damage Length	C,	Damage Length Crush Depths	C,	2 cm 2 cm 7 cm 6 cm 6 cm 7 cm
VEHI Damage Length	C,	Damage Length	C,	2 cm 2 cm 7 cm 6 cm 6 cm 7 cm
VEHI Damage Length Crush Depths Damage Offset	270 cm C1	Damage Length Crush Depths Damage Offset	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2 cm 2 cm 7 cm 6 cm 8 cm
VEHI Damage Length Crush Depths Damage Offset	270 cm C1	Damage Length Crush Depths Damage Offset	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2 cm 2 cm 7 cm 6 cm 8 cm
VEHI Damage Length Crush Depths Damage Offset	C,	Damage Length Crush Depths Damage Offset	C,	om om om om om om om om
VEHI Damage Length Crush Depths Damage Offset	C1	Damage Length Crush Depths Damage Offset LE NOT IN TRANSPORT, FILE The Weight, CDC, Sce	C, 40 C ₂ 20 C ₃ 11 C ₄ 12 C ₆ 13 C ₆ 20 L IN THE INFORMATION BE ne Data and Damage Information	om om om om om om om om
VEHI Damage Length Crush Depths Damage Offset IF THIS COMMON IMPA Model Year:	C,	Damage Length Crush Depths Damage Offset	C, 40 C ₂ 20 C ₃ 11 C ₄ 12 C ₆ 13 C ₆ 20 L IN THE INFORMATION BE ne Data and Damage Information	om om om om om om om om
Damage Length Crush Depths Damage Offset IF THIS COMMON IMPA Model Year: Make:	C1	Damage Length Crush Depths Damage Offset LE NOT IN TRANSPORT, FILE The Weight, CDC, Sce	C, 40 C ₂ 20 C ₃ 11 C ₄ 12 C ₆ 13 C ₆ 20 L IN THE INFORMATION BE ne Data and Damage Information	om om om om om om om om
Damage Length Crush Depths Damage Offset IF THIS COMMON IMPA Model Year: Make: Model:	C1	Damage Length Crush Depths Damage Offset LE NOT IN TRANSPORT, FILE The Weight, CDC, Sce	C, 40 C ₂ 20 C ₃ 11 C ₄ 12 C ₆ 13 C ₆ 20 L IN THE INFORMATION BE ne Data and Damage Information	om om om om om om om om
Damage Length Crush Depths Damage Offset IF THIS COMMON IMPA Model Year: Make: Model: VIN:	C1	Damage Length Crush Depths Damage Offset LE NOT IN TRANSPORT, FIL The Weight, CDC, Sce for this vehicle should	C ₁ 28 C ₂ 20 C ₃ 1 C ₄ 1 C ₆ 1 C ₆ 2 C ₈ 2 L IN THE INFORMATION BE ne Data and Damage Information be recorded above.	om om om om om om om om

SUMMARY OF CRASHPC RESULTS USING DAMAGE

06-58a-01

SPEED CHANGE (DAMAGE)

VEHICLE #1

 TOTAL
 32 KPH (20 MPH)

 LONGITUDINAL
 -11 KPH (-7 MPH)

 LATITUDINAL
 30 KPH (19 MPH)

 PDOF ANGLE
 -70 DEGREES

ENERGY DISSIPATED = 104084 JOULES (76758 FT-LB)

VEHICLE #2

TOTAL 38 KPH (23 MPH)
LONGITUDINAL -37 KPH (-23 MPH)
LATITUDINAL 7 KPH (4 MPH)
PDOF ANGLE -10 DEGREES

ENERGY DISSIPATED = 22505 JOULES (16597 FT-LB)

DAMAGE DATA

VEHICLE #1

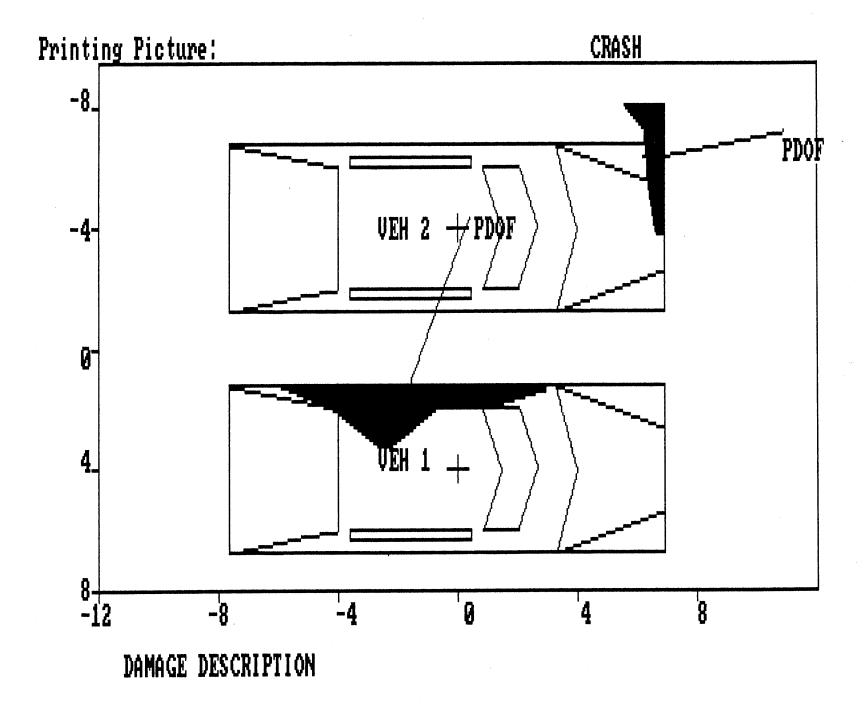
VEHICLE #2

SIZE CATEGORY STIFFNESS CATEGORY	2 2	2 2
VEHICLE WEIGHT	1272 KGS (2804 LBS)	1071 KGS (2361 LBS)
CDC	10LYAW4	12FLEE6
PDOF ANGLE	-70 DEGREES	-10 DEGREES
CRUSH LENGTH	270 CM. (106 IN.)	128 CM. (50 IN.)
C1	4 CM. (2 IN.)	40 CM. (16 IN.)
C2	27 CM. (11 IN.)	20 CM. (8 IN.)
C3	69 CM. (27 IN.)	17 CM. (7 IN.)
C4	22 CM. (9 IN.)	16 CM. (' 6 IN.)
CS	22 CM. (9 IN.)	12 CM. (5 IN.)
C6	7 CM. (3 IN.)	8 CM. (3 IN.)
D	-45 CM. (-18 IN.)	-58 CM. (-23 IN.)
D,	-55 CM. (-22 IN.)	-72 CM. (-28 IN.)

(* INDICATES DEFAULT VALUE)

DIMENSIONS AND INERTIAL PROPERTIES

	VEHICLE #1	AFHIOTE #5
CG TO FRONT AXLE	118 CM. (46 IN.)	118 CM. (46 IN.)
CG TO REAR AXLE	127 CM. (50 IN.)	127 CM. (50 IN.)
TRACK	139 CM. (55 IN.)	139 CM. (55 IN.)
CG TO FRONT OF VEH	212 CM. (83 IN.)	212 CM. (83 IN.)
CG TO REAR OF VEH	-233 CM. (-92 IN.)	-233 CM. (-92 IN.)
CG TO SIDE OF VEH	85 CM. (34 IN.)	85 CM. (34 IN.)
MOMENT OF INERTIA	9760 KGS (21517 LBS)	8218 KGS (18117 LBS)
VEHICLE MASS	3 KGS (7 LBS)	3 KGS (6 LBS)



```
001970000009417
06058A00010012 936.021000000000101L0201F
06058A00020012
             *936.0210000000000201R56000
              )936.0210000000000101N3200N
06058A00030012
06058A00040013
              36.0210000000000201N3200N
                6.02 000000000923803203JABRT2387N 19990960489964101011
06058A01000021
200000000000752156999 999 9999999011
                5.02 0000000070909090909090909
06058A01000022
06058A01000031
                6.02 000000000010210LYAW04
                       012450231
06058A01000041
                6.02 00000000022100160000999999889999990099999990099999900
06058A01000042
                5.02 0000000002125532107431117432108332117332113231106131113
13
                     9999999999
06058A01010051
                0062019900000100000102101
06058A01010161
                6.02 000000000999200010921300
06058A02000021
                6.02 0000000084200130599999999999999999999999960480965101011
000000000002150756999 999 9999999010
06058A02000022
                5.02 00000000709090909090909091902320000000136211
06058A02000031
                6.02 00000000010112FLEE06025601RFEE02145040020017016012008-
058
                       012400211
06058A02000041
                06058A02000042
                6.02 000000000111023110713110613
                     0000999989
           1
06058A02010051
                6.02 0000000027117807711100000040000009901900000000000231
02990000000000500000102901
06058A02010161
                6.02 000000000729060012013100
06058A02010261
                6.02 000000000729060017013100
06058A02010361
                6.02 000000000789060011979799
06058A02010461
                5.02 000000000779060012979799
06058A02010561
                6.02 000000000749060012979799
00000000000009
INTERIOR VEHICLE Vehicle: 1
                      11
```

INTRA ERRORS

	occo 531 2	: ***** THIS CASE SHOWS A DO
OR OR HATCH OR GATE OPENING *****	CC0532	***** CHECK YOUR DATA AND
IF CORRECT, NOTIFY YOUR ZONE *****	CC0 5 33	DOOR LEFT FRONT IVO5 equals
2 or IVO6 equals 2 or IVO7 equals 2	CC0534	or IVO8 equals 2 or IVO9 eq
uals 2.		

OCCUPANT ASSESSMENT Vahicle: 1 Occupant: 1

0

11 INTRA ERRORS

OHH0191 If OCCUPANT POSITION OA10 equals 11 or 13 and AUTOMATIC BELT HH0192 AVAILABILIT Y OA44 does not equal 2, then MANUAL BELT HH0193 AVAILABILIT Y OA17 should equal 3 or 4.

HH1281 ****** THIS VEHICLE IS INICATED AS HAVING AN AIRBAG. ***** HH1282 ***** CHECK YOUR DATA AND IF CORRECT, NOTIFY YOUR ZONE ****** HH1283 AIR BAG AVAILABILITY/FUNCTION 0A21 equals 1-3.

INTRA ERRORS

OGG2251 2 If ACCIDENT TYPE GV15 equal s 20, 24, 28, 44, 45, 51, 65, 69, 71, GG2252 73, 77, 79, 81, 83 or 86-89, then PRE-EVENT MOVEMENT GV64 should GG2253 equal 01.

01

CT0021

CT0022

INTER ER	RORS
RENCE EV30	OAEO281 2 If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCUR AEO282 should equal 0. GV=01
	If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCURRENCE EV30 should equal 0. GV=01
AE0281 2 AE0282	If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCURRENCE EV30 should equal 0. GV=02
AE0281 2 AE0282	If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCURRENCE EV30 should equal 0. GV=02
AE0271 2 AE0272 AE0273	If VEHICLE NUMBER EVO3 equals two or more (VEHICLE NUMBER AC13(n) or OBJECT CONTACTED AC16(n)), then 2nd ACCIDENT SEQUENCE EV12 should not equal blank. GV=01
EC0021 2 EC0022 EC0023 EC0024	If INTRUDING COMPONENT IV48 equals 07, 10, 13 or 28, then at least one ((DEFORMATION LOCATION EV07(n) should equal 9 or blank) or ((EV07(n) should equal R, L or T) and (LONGITUDINAL LOCATION EV08(n) should equal D, P, Y, or Z))). GV=02
EC0021 2 EC0022 EC0023 EC0024	If INTRUDING COMPONENT IV48 equals 07, 10, 13 or 28, then at least one ((DEFORMATION LOCATION EV07(n) should equal 9 or blank) or ((EV07(n) should equal R, L or T) and (LONGITUDINAL LOCATION EV08(n) should equal D, P, Y, or Z))). GV=02
CT0021 2 CT0022	If INJURY SOURCE OI12(n) equals 01, then CONTACT WINDSHIELD IV23 should equal 1-5. GV=02 OA=01 OI=01 $$

2 If INJURY SOURCE 0112(n) equals 01, then CONTACT WINDSHIELD IV23

should equal 1-5. GV=02 OA=01 OI=02

94

CURRENT VERSION: 6.02

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	O	Ö	0	V
General Vehicle	O	Ō	1	ý
Vehicle Exterior	0	0	Ö	Ý
Vehicle Interior	O	0	1	Υ
Occupant Assesment	0	0	2	Υ
Occupant Interior	O	O	, O	Υ
Total Inter Errors		٥	;	
Total Case Errors	0	0	13	

```
93004780000
           936.030000000000200430000004
06058A0000001 1
001970000009417
06058A00010012 936.031000000000101L0201F
              936.0310000000000201R56000
06058A00020012
06058A00030012
              1936.0310000000000101N3200N
              936.0310000000000201N3200N
06058A00040012
                6.03 000000000923803203JABRT2387N740164119990960489964101011
06058A01000021
200000000000482216999 999 9999999011
                6.03 00000000070909090909090909
06058A01000022
                 6.03 000000000010210LYAW04
06058A01000031
                       012450231
                 6.03 00000000002210016000099999988999999009999990099999900
06058A01000041
                 6.03 0000000002125532107431117432108332117332113231106131113
06058A01000042
                      999999999
13
                 06058A01010051
0062019900000100000102101
                 6.03 000000000999200010921300
06058A01010161
                 06058A02000021
000000000002210486999 999 9999999010
                 6.03 000000000709090909090909091902320000000136211
06058A02000022
                 6.03 000000000010112FLEE06025601RFEE02145040020017016012008-
06058A02000031
                       012400001
058
                 06058A02000041
                 6.03 000000000111023110713110613
06058A02000042
                      0000999989
            1
                 6.03 000000000271178077111000000400000099019000000000000231
06058A02010051
0299000000000500000102901
                 6.03 000000000729060012013100
06058A02010161
                 6.03 000000000729060017013100
06058A02010261
                 6.03 000000000789060011979799
06058A02010361
                 6.03 000000000779060012979799
06058A02010461
                 6.03 000000000749060012979799
06058A02010561
8000000000008
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INTERIOR VEHICLE Vehicle: 1

11

INTRA ERRORS

OR OR HATCH OR GATE OPENING ****** IF CORRECT, NOTIFY YOUR ZONE ****** 2 or IV06 equals 2 or IV07 equals 2 uals 2.	0000531 2 000532 000533 000534	****** THIS CASE SHOWS A DO ****** CHECK YOUR DATA AND DOOR LEFT FRONT IV05 equals or IV08 equals 2 or IV09 eq
O .		

OCCUPANT ASSESSMENT Vehicle: 1 Occupant: 1

INTRA ERRORS

	٠.	OHH0191	2	If OCCUPANT
POSITION OA10 equals 11 or 13 and AUTOMATIC BELT		HH0192		AVAILABILIT
Y OA44 does not equal 2, then MANUAL BELT		HH0193	•	AVAILABILIT
V MA17 should equal 3 or 4.				

HH1281 2 ******* THIS VEHICLE IS INICATED AS HAVING AN AIRBAG. *****
HH1282 ***** CHECK YOUR DATA AND IF CORRECT, NOTIFY YOUR ZONE ******
HH1283 AIR BAG AVAILABILITY/FUNCTION OA21 equals 1-3.

INTRA ERRORS

OGG2251 2 If ACCIDENT TYPE GV15 equal s 20, 24, 28, 44, 45, 51, 65, 69, 71, GG2252 73, 77, 79, 81, 83 or 86-89, then PRE-EVENT MOVEMENT GV64 should GG2253 equal 01.

Ö1

INTER ERRORS

OAE0281 2 If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCUR RENCE EV30 AE0282 should equal 0. GV=01

AEO281 2 If OBJECT CONTACTED AC16(n) equals 32, then FIRE OCCURRENCE EV30 AEO282 should equal 0. GV=01

AEO271 2 If VEHICLE NUMBER EVO3 equals two or more (VEHICLE NUMBER AEO272 AC13(n) or OBJECT CONTACTED AC16(n)), then 2nd ACCIDENT SEQUENCE AEO273 EV12 should not equal blank. GV=01

EC0021 2 If INTRUDING COMPONENT IV48 equals 07, 10, 13 or 28, then at EC0022 least one ((DEFORMATION LOCATION EV07(n) should equal 9 or EC0023 blank) or ((EV07(n) should equal R, L or T) and (LONGITUDINAL EC0024 LOCATION EV08(n) should equal D, P, Y, or Z))). GV=02

ECO021 2 If INTRUDING COMPONENT IV48 equals 07, 10, 13 or 28, then at ECO022 least one ((DEFORMATION LOCATION EV07(n) should equal 9 or ECO023 blank) or ((EV07(n) should equal R, L or T) and (LONGITUDINAL ECO024 LOCATION EV08(n) should equal D, P, Y, or Z))). GV=02

CT0021 2 If INJURY SOURCE DI12(n) equals 01, then CONTACT WINDSHIELD IV23 CT0022 should equal 1-5. GV=02 DA=01 DI=01

CT0021 2 If INJURY SOURCE OI12(n) equals 01, then CONTACT WINDSHIELD IV23 CT0022 should equal 1-5. GV=02 OA=01 OI=02

MMO121 2 --- IN ENGLISH --- The relationship between
MMO122 ANGLE THIS VEHICLE GV27, ANGLE OTHER VEHICLE GV28 and the
MMO123 DIRECTION OF FORCE EV06 for each vehicle is not compatible. The
MMO124 calculation between the heading angle difference and the
MMO126 direction of force was greater than 60 degrees. Check the
MMO125 diagram for vehicle heading angles and the principal directions
MMO127 of force for collinearity. GV=01

PSU06 CASE 058A CURRENT VERSION: 6.03



FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	O	O	Υ
General Vehicle	. 0	O	1	Υ
Vehicle Exterior	0	0	Q	Υ
Vehicle Interior	0	0	1	Υ
Occupant Assesment	0	0	2	Υ
Occupant Interior	O	0	0	Υ
Total Inter Errors		0	8	
Total Case Errors	o	0	12	

National Highway Traffic Safety Administration

SLIDE INDEX

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number 06 Case Number – Stratum 058 A						
Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter			
1-8		Norm	Approach OF V			
9		North	V, crosses over into South bound lones			
10-11		South	LOOK Brock ON Approvach OF Y			
12-22	•	Soum	Approach of Va			
23-24		Soum	P. D.I - Brow Morek IN Roma			
a 5	. ,	Novem	LOOK Brick on Appropria OF V2			
26-45	1		Exterior Views			
46-53	1		VIEWS OF GAS TRAK			
54-66	_1_		Extreme			
67-8H	1		INTERIOR VIEWS			
85-106	<u>a</u>		EXTERING VIFILLS			
107-116	え		INTERNO VIEWS			
117			Overview of Car			



Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter
		<u> </u>	
			
		!	
		<u> </u>	
		<u> </u>	









BA (1993) #4



PSU 06-058A (1993) #5







. (. . . .) . .







A (1993) #11







8A (1993) #1-







PSU 06-058A (1993) #17









PSU 06-058A (1993) #21











#26



36-058A (1993) #27



Available



BA (1993) #2

est



DA (1993) #3



Best Available



PSU 06-058A (1993) #32 Best Available







PSU 06-058A (1993) #35 Best Available



PSU 06-058A (1993) #36 Best Available



PSU 06-058A (1993) #37









Best Available



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PSU 06-058A (1993) #43 Best Available



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Available





PSU 06-058A (1993) #56



vailable



PSU 06-058A (1993) #58 Best Available



Available



unitable



PSU 06-058A (1993) #61 Best Available





8A (1993) #63



PSU 06-058A (1993) #64



058A (1993) st Available



BA (1993) #6







PSU 06-058A (1993) #69 Best Available



A (1993) #70











railable



PSU 06-058A (1993) #76 Best Available



PSU 06-058A (1993) #77 Best Available





PSU 06-058A (1993) #79 Best Available





PSU 06-058A (1993) #81 Best Available



PSU 06-058A (1993) #82 Best Available



4 (1993) #83





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t Available







8A (1993) #8



8A (1993) #!



PSU 06-058A (1993) #91 Best Available









8A (1993) #9:







PSU 06-058A (1993) #98 Best Available



PSU 06-058A (1993) #99 Best Available



PSU 06-058A (1993) #100 Best Available













Best Available



A (1993) #107





A (1993) #109



A (1993) #110



Best Available



A (1993) #11

Best /



A (1993) #113 Ivaliable



Best Available







PSU 06-058A (1993) #117 Best Available